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NAVAL WEATHER SERVICE DETACHMENT / SHEVILLE N C
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS), CHINA L--ETC(U)
JUL 78

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1 of 4

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DIRECTOR

NAVAL OCEANOGRAPHY AND METEOROLOGY

S M O S

(Summary of Meteorological Observations, Surface)

Prepared by
Naval Weather Service Detachment
Federal Building
Asheville, N. C. 28801

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Station: CHINA LAKE, CA

Date: JULY 1978

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

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STATION NO ON SUMMARY		STATION NAME	LATITUDE:	LONGITUDE:	STATION ELEV (FT)	CALL SIGN	WMO NUMBER
93104		China Lake, California	35°41'N	117°41'W	2283	KNID	72384

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF BARO LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	Weather service office, second deck of hangar #1	Navy	1945	1958	35°41'N	117°41'W	2234	Mercurial	
2.	Weather service office	"	1958	1959	"	"	2233	"	
3.	Relocated Weather service office	"	1959	1969	"	"	2238	"	
4.	" " "	"	1969		"	"	"	"	
1a.	Weather service office	"	1964		"	"	"	Aneroid	

SURFACE WIND EQUIPMENT INFORMATION						REMARKS ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
NUMBER OF LOCATION	DATE OF CHANGE	LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	1949	Roof of hangar #1	Double register Selsyn		68'	1. Barograph
1a.	1949	Roof of control tower		Triple	86'	2. Hygrothermograph
2a.	1958	Roof of control tower (replacement for selsyn)	UMQ-5	RD-108	86'	3. Theodolite
						4. Thermoscreen
						5. Maximum and minimum thermometer
						6. Digital thermometer
3a.	1959	Five hundred feet from the apex of runways 21 and 14	UMQ-5	RRD-108	18'	

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

DIRNAVOCEANMET 1tr 3146 Ser 1032 dated 26 August 1977 (NOTAL) established the following policy for SMOS production and updating:

1. Ten years of data will be used as the standard period of record (POR).
2. All available data will be used for extreme values.
3. Summarize (update) every five years.
 - a. Summarize the five year period (1973-1977) for all sections of the SMOS except extremes. The 5 year summary will be an intermediate SMOS to show secular trends. All available data through 1977 will be included for extreme values.
 - b. The update in 1983 will include the POR 1973 through 1982, with all available data through 1982 for extreme values.
 - c. The update in 1988 will be an intermediate SMOS (POR 1983-1987). All available data through 1987 will be included for extreme values.
 - d. In 1993 the POR will be 1983 through 1992. All available data through 1992 will be used for extreme values.

Each standard POR (10 years) summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during, the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of ".0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Weather Service Detachment (NWSD), Asheville, N. C. welcomes your comment and criticisms.

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than $\frac{5}{8}$ mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 8

STATION 93104 CHINA LAKE, CALIFORNIA 73-77 YEARS MONTH JAN

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	01												
	04												
	07		.7	.7	.7		2.0	3.3	1.3			4.6	152
	10		1.9		.6		2.6	3.2	.6			3.9	155
	13		1.3		.6		1.9	1.3			1.3	2.6	155
	16		2.7		.7		3.4	.7				.7	146
	19		4.9				4.9						102
	22												
TOTALS			2.3	.1	.5		3.0	1.7	.4		.3	2.4	710

WEATHER CONDITIONS

5761 WEATHER CONDITIONS JAN 1988

93104 STATION CHINA LAKE, CALIFORNIA 73-77 YEARS FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	01												
	04												
	07		2.8				2.8	2.1	.7			2.8	141
	10		4.3		.7		4.3		.7			.7	141
	13		2.8				2.8	.7	1.4		1.4	3.5	141
	16		2.3				2.3				.8	.8	132
	19		2.2				2.2						89
	22												
TOTALS			2.9		.1		2.9	.6	.6		.4	1.6	644

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 1977

STATION 93104 CHINA LAKE, CALIFORNIA 73-77 MONTH MAR YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	01												
	04												
	07		3.9				3.9	1.3			1.3	2.6	153
	10		.7	.7	1.3		2.0	.7			1.3	2.0	153
	13		3.3		.7		3.9				.7	.7	153
	16		2.2				2.2				1.4	1.4	138
	19		4.0				4.0						101
	22												
TOTALS			2.8	.1	.4		3.2	.4			.9	1.3	698

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WEATHER CONDITIONS

STATION 93104 CHINA LAKE, CALIFORNIA 73-77 APR MONTH

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	01												
	04												
	07												150
	10										.7	.7	150
	13		1.3				1.3				1.3	1.3	150
	16		1.4				1.4				.7	.7	138
	19		1.0				1.0				2.0	2.0	101
	22												
TOTALS			.7				.7				.9	.9	689

WEATHER CONDITIONS

MAY
MONTH

73-77

YEARS

CHINA LAKE, CALIFORNIA

STATION NAME

93104

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	01												
	04												
	07		1.9				1.9						155
	10	.6	1.3				1.3						155
	13	1.3	1.3				1.3						153
	16	1.7	1.7				1.7				1.7	1.7	118
	19	1.2	1.2				1.2						86
	22												
TOTALS		1.0	1.5				1.5				.3	.3	667

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 1988

93104 STATION CHINA LAKE, CALIFORNIA 73-77 YEARS MONTH JUN

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	01												
	04												
	07										.7	.7	150
	10												150
	13										.7	.7	150
	16										.8	.8	119
	19										2.2	2.2	89
	22												
TOTALS											.9	.9	658

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WEATHER CONDITIONS

93104 STATION CHINA LAKE, CALIFORNIA 73-77 JUL MONTH

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	01												
	04												
	07		1.3				1.3						155
	10												155
	13	.6											154
	16	3.4	1.7				1.7						110
	19	2.2	2.2				2.2						93
	22												
TOTALS		1.2	1.0				1.0						675

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 78

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STATION 93104 CHINA LAKE, CALIFORNIA 73-77 MONTH AUG

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	01												
	04												
	07	1.9	.6				.6						154
	10	1.9	.6				.6	.6				.6	155
	13	1.9	.6				.6	.6	.6			1.3	155
	16	6.1	2.3				2.3	.8				.8	132
	19	1.2											85
	22												
TOTALS		2.6	.8				.8	.4	.1			.5	681

WEATHER CONDITIONS

93104

CHINA LAKE, CALIFORNIA

73-77

SEP

MONTH

YEARS

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	01												
	04												
	07		.7				.7						150
	10		.7				.7		.7			.7	150
	13		.7				.7						149
	16		2.5				2.5						121
	19	2.6	3.9				3.9						77
	22												
TOTALS		.5	1.7				1.7		.1			.1	647

WEATHER CONDITIONS

93104 CHINA LAKE, CALIFORNIA 73-77 OCT MONTH
STATION STATION NAME YEARSPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	01												
	04												
	07												154
	10												155
	13												155
	16	.8	1.6				1.6						124
	19		1.3				1.3						79
	22												
TOTALS		.2	.6				.6						667

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 8

NOV
MONTH

73-77
YEARS

93104 CHINA LAKE, CALIFORNIA
STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	01												
	04												
	07												141
	10										.7	.7	150
	13										.7	.7	149
	16										.7	.7	143
	19		1.1				1.1						90
	22												
TOTALS			.2				.2				.4	.4	673

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WEATHER CONDITIONS

93104 STATION CHINA LAKE, CALIFORNIA 73-77 YEARS MONTH DEC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	01												
	04												
	07		2.1				2.1	2.1				2.1	140
	10		1.9				1.9	2.6				2.6	154
	13				.7		.7	.7				.7	149
	16		.7				.7	1.4				1.4	142
	19												83
	22												
TOTALS			.9		.1		1.1	1.4				1.4	668

WEATHER CONDITIONS

WEATHER CONDITIONS JAN 8

93104 STATION CHINA LAKE, CALIFORNIA 73-77 YEARS ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL		2.3	.1	.5		3.0	1.7	.4		.3	2.4	710
FEB			2.9		.1		2.9	.6	.6		.4	1.6	644
MAR			2.8	.1	.4		3.2	.4			.9	1.3	698
APR			.7				.7				.9	.9	689
MAY		1.0	1.5				1.5				.3	.3	667
JUN											.9	.9	658
JUL		1.2	1.0				1.0						675
AUG		2.6	.8				.8	.4	.1			.5	681
SEP		.5	1.7				1.7		.1			.1	647
OCT		.2	.6				.6						667
NOV			.2				.2				.4	.4	673
DEC			.9		.1		1.1	1.4				1.4	668
TOTALS		.5	1.3	.0	.1		1.4	.4	.1		.3	.8	8077

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WEATHER CONDITIONS ATMOSPHERIC PHENOMENA

5701 WEATHER CONDITIONS JAN 68

93104 STATION CHINA LAKE, CALIFORNIA 49-64 YEARS MONTH ALL

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBS TO VISION	TOTAL NO. OF OBS.
JAN	DAILY		11.5		4.2	.2	14.3	2.0	1.6	.2	1.0	4.8	495
FEB			12.4		.7		12.8	1.3	1.1		2.4	4.2	452
MAR		.4	9.7		.6	.2	9.7		2.2		2.6	4.6	495
APR		.6	9.8				9.8		1.5		1.2	2.5	480
MAY		.8	5.3				5.3		1.2		.4	1.6	494
JUN		.8	2.5				2.5		.2		.8	1.0	480
JUL		2.0	7.7				7.7		.4		.2	.6	495
AUG		3.0	6.0				6.0		.4		.4	.8	496
SEP		1.7	6.9				6.9		.2		.4	.6	480
OCT		.8	6.7				6.7		1.2		.6	1.8	496
NOV		.2	8.5				8.5	.9	1.6		.7	2.9	449
DEC			5.9		.6		9.3	1.9	.4		.2	2.6	463
TOTALS		.9	8.0		.5	.0	8.3	.5	1.0	.0	.9	2.3	5775

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

93104 CHINA LAKE, CALIFORNIA JAN 1973-DEC 1977 JANUARY ALL
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N													8.3	91.7
NNE						5.6								94.4
NE		10.0												90.0
ENE														100.0
E	6.3													93.8
ESE														100.0
SE														100.0
SSE														100.0
S	6.1	3.0								3.0				90.9
SSW	5.0									2.5				92.5
SW	3.2													96.8
WSW	4.9													95.1
W									2.2	2.2			2.2	93.3
WNW														100.0
NW						5.6			5.6					88.9
NNW	8.3								4.2	4.2				87.3
VARIABLE														
CALM	1.0								1.3					96.1
TOTAL	13	2	1	1	1	4			7	6	3		2	677
% TOTAL	1.8	.3	.1	.1	.1	.6			1.0	.8	.4		.3	93.4

TOTAL NUMBER OF OBSERVATIONS 710

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

93104 CHINA LAKE, CALIFORNIA JAN 1973-DEC 1977 FEBRUARY ALL
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N													5.9	94.1
NNE														100.0
NE														100.0
ENE														100.0
E														100.0
ESE														96.9
SE														100.0
SSE														100.0
S	4.2								2.1				2.1	93.8
SSW	3.7													92.6
SW		3.7									3.7			92.6
WSW													2.0	98.0
W	3.7													96.3
WNW	5.0													95.0
NW	9.1								9.1	9.1	9.1			63.6
NNW	11.8													88.2
VARIABLE														
CALM	2.3													96.8
TOTAL	14	5							3	1	4		3	617
% TOTAL	2.2	.8							.5	.2	.6		.5	95.8

TOTAL NUMBER OF OBSERVATIONS

644

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

93104	CHINA LAKE, CALIFORNIA	JAN 1973-DEC 1977	MARCH	ALL										
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)										
WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		4.3												95.7
NNE														100.0
NE		14.3												85.7
ENE													6.7	93.3
E														100.0
ESE		3.1											3.1	90.6
SE													4.5	95.5
SSE	3.1					3.1								93.8
S	2.0	6.0							2.0					92.0
SSW	3.3	1.6							1.6					93.4
SW														100.0
WSW														100.0
W		2.1												97.9
WNW														100.0
NW		8.3		8.3		8.3			8.3				8.3	75.0
NNW													11.8	88.2
VARIABLE														
CALM	0.5	3.0				0.6								93.8
TOTAL	5	14		1		3			3				6	668
% TOTAL	.7	2.0		.1		.4			.4				.9	95.7

TOTAL NUMBER OF OBSERVATIONS

698

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 93104 CHINA LAKE, CALIFORNIA JAN 1973-DEC 1977 MONTH APRIL ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N													9.5	90.5
NNE														100.0
NE														100.0
ENE														100.0
E		4.8												95.2
ESE		2.3												97.7
SE														100.0
SSE														100.0
S		1.5												98.5
SSW		1.2												98.8
SW														100.0
WSW													1.5	100.0
W														98.5
WNW														100.0
NW		9.1											12.0	90.9
NNW														88.0
VARIABLE														100.0
CALM														100.0
TOTAL		5											6	678
% TOTAL		.7											.9	98.4

TOTAL NUMBER OF OBSERVATIONS 689

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

93104 CHINA LAKE, CALIFORNIA JAN 1973-DEC 1977 MAY ALL
STATION NAME STATION YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		8.3						4.3						91.7
NNE														100.0
NE														100.0
ENE														100.0
E														100.0
ESE		4.1						4.1					2.0	95.9
SE	2.9													97.1
SSE														100.0
S		2.8						2.8					2.8	97.2
SSW														100.0
SW	1.9													98.1
WSW														100.0
W														100.0
WNW	4.0													96.0
NW														100.0
NNW	13.3	6.7						13.3						80.0
VARIABLE														
CALM														100.0
TOTAL	5	5						6					2	657
% TOTAL	.7	.7						.9					.3	98.5

TOTAL NUMBER OF OBSERVATIONS

667

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

93104 CHINA LAKE, CALIFORNIA JAN 1973-DEC 1977 ALL
STATION NAME STATION MONTH YEARS HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE														100.0
NE														100.0
ENE														100.0
E														100.0
ESE														100.0
SE														100.0
SSE														100.0
S														100.0
SSW														100.0
SW														100.0
WSW														100.0
W													2.1 97.9	100.0
WNW													5.3 94.7	100.0
NW													11.1 88.9	100.0
NNW													7.7 92.3	100.0
VARIABLE														100.0
CALM														100.0
TOTAL														5 653
% TOTAL														.8 99.2

TOTAL NUMBER OF OBSERVATIONS 658

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

93104 CHINA LAKE, CALIFORNIA JAN 1973-DEC 1977 ALL
STATION NAME YEARS MONTH HOURS (LST.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW "GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE														100.0
NE														100.0
ENE														100.0
E														100.0
ESE														100.0
SE														100.0
SSE		2.9						4.4						95.6
S		1.6												98.4
SSW														100.0
SW														100.0
WSW								2.3						97.7
W		5.1						5.1						94.9
WNW														100.0
NW														100.0
NNW								8.3						91.7
VARIABLE														
CALM														
TOTAL		6						7						666
% TOTAL		.9						1.0						98.7

TOTAL NUMBER OF OBSERVATIONS 675

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

93104 CHINA LAKE, CALIFORNIA JAN 1973-DEC 1977 ALL
STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE														100.0
NE														100.0
ENE														100.0
E	4.8							4.8						90.5
ESE														100.0
SE								3.0						97.0
SSE	1.7	1.7						1.7	1.7					94.8
S														100.0
SSW								2.8						96.2
SW								1.7						96.7
WSW								5.4						94.6
W														100.0
WNW														100.0
NW	33.3							50.0						50.0
NNW								16.7	33.3					50.0
VARIABLE														
CALM								3.2						96.8
TOTAL	4	2						18	3					656
% TOTAL	.6	.3						2.6	.4					96.3

TOTAL NUMBER OF OBSERVATIONS

681

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

93104 CHINA LAKE, CALIFORNIA JAN 1973-DEC 1977 SEPTEMBER ALL
STATION NAME STATION MONTH YEARS HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE														100.0
NE														100.0
ENE														100.0
E														100.0
ESE														100.0
SE	2.2													97.8
SSE	2.1													97.9
S											2.1			97.9
SSW														100.0
SW		6.7						6.7						93.3
WSW		2.9												97.1
W	3.8													96.2
WNW	6.7													93.3
NW	12.5	12.5												75.0
NNW														100.0
VARIABLE														100.0
CALM														100.0
TOTAL	5	4						2				1		637
% TOTAL	.8	.6						.3				.2		98.5

TOTAL NUMBER OF OBSERVATIONS

647

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

93104 CHINA LAKE, CALIFORNIA JAN 1973-DEC 1977 ALL
STATION NAME MONTH YEARS HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE														100.0
NE														100.0
ENE														100.0
E														100.0
ESE														100.0
SE														100.0
SSE														100.0
S														100.0
SSW														100.0
SW														100.0
WSW														100.0
W		5.0												95.0
WNW		25.0												75.0
NW														100.0
NNW		6.7						6.7						86.7
VARIABLE														
CALM														100.0
TOTAL		3						1						663
% TOTAL		.4						.1						99.4

TOTAL NUMBER OF OBSERVATIONS 667

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

93104 CHINA LAKE, CALIFORNIA JAN 1973-DEC 1977 NOVEMBER ALL
STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N													17.6	82.4
NNE														100.0
NE														100.0
ENE														100.0
E														100.0
ESE														100.0
SE														100.0
SSE														100.0
S														100.0
SSW														100.0
SW														100.0
WSW														100.0
W														100.0
WNW	9.1													90.9
NW														100.0
NNW														100.0
VARIABLE														100.0
CALM														100.0
TOTAL	1												3	669
% TOTAL	.1												.4	99.6

TOTAL NUMBER OF OBSERVATIONS

673

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

93104 CHINA LAKE, CALIFORNIA JAN 1973-DEC 1977 ALL
STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE														100.0
NE														100.0
ENE														100.0
E														100.0
ESE														100.0
SE														100.0
SSE														100.0
S		2.8												100.0
SSW														97.2
SW														100.0
WSW														100.0
W														100.0
WNW														100.0
NW														100.0
NNW									6.3					93.8
VARIABLE														
CALM	1.6								2.1	0.3				97.1
TOTAL	6	1				1			9	1				656
% TOTAL	.9	.1				.1			1.3	.1				98.2

TOTAL NUMBER OF OBSERVATIONS 668

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

2

STATION **93104** **CHINA LAKE, CALIFORNIA** STATION NAME **JAN 1973-DEC 1977** YEARS **ALL** MONTH **ALL** HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		1.1						.6					4.0	94.8
NNE						.7								99.3
NE		2.5												97.5
ENE													.8	99.2
E	.7	.4						.4						98.5
ESE		1.2						.5					.5	98.3
SE	.5							.3					.3	98.9
SSE	.7	.7				.2		.9	.2					98.0
S	.9	1.3						.2	.4	.2	.2		.4	97.5
SSW	.7	.7						.4	.1	.1				97.9
SW	.4	.6						.6			.2			98.5
WSW	.3	.2						.7					.3	98.5
W	.5	.9						.5	.2	.2			.9	97.3
WNW	1.6	.5				.5								97.8
NW	2.6	3.4		.9		1.7		.9	2.6	.9	.9		1.7	87.2
NNW	4.5	1.1				.6		2.8	2.3	.6			3.4	88.1
VARIABLE														
CALM														
TOTAL	53	47	1	2		9		34	25	8	8		27	7897
% TOTAL	.7	.6	.0	.0		.1		.4	.3	.1	.1		.3	97.8

TOTAL NUMBER OF OBSERVATIONS **8,077**

NAVWEASERVCOM

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

93104 STATION CHINA LAKE, CALIFORNIA 45-64 YEARS

5722 Daily Amounts Jan. 1969

PRECIP.	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	50.5-100.0	100.1-200.0	OVER 200.0	PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
																		MEAN	GREATEST	LEAST
JAN	87.5	5.5	.4	.8	1.9	1.7	1.5	.8								7.0	527	.50	2.13	TRACE
FEB	85.8	4.3	4.5	1.1	.9	1.1	1.3	.9								9.9	537	.40	1.58	.00
MAR	89.6	6.1	.7	1.2	.5	1.2	.3	.3								4.2	589	.20	1.77	.00
APR	90.3	6.3	.8	1.2	.3	.8		.2								3.3	600	.11	.94	.00
MAY	93.7	4.3	.2	.9	.2	.4		.4								2.0	558	.14	2.13	.00
JUN	97.7	1.6		.4	.2		.2									.7	570	.02	.29	.00
JUL	92.9	5.6		1.2		.3										1.5	589	.03	.18	.00
AUG	93.5	4.1	.3	.8	.7	.2	.2	.2								2.4	589	.08	.71	.00
SEP	93.5	3.2	.5	.4	.7	.5	.5	.7								3.3	570	.27	2.14	.00
OCT	92.8	4.5	.4	.7	.4	.7	.4	.2								2.7	558	.12	.81	.00
NOV	92.4	3.0	.4	1.7	.4	.9	.2	.9	.2							4.6	540	.34	2.03	.00
DEC	89.2	4.4	.4	1.3	.6	1.9	1.3	.9								6.5	527	.47	1.13	.00
ANNUAL	91.6	4.4	.7	1.0	.6	.8	.5	.5	.0							4.0	6754	2.68		

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION 33104 CHINA LAKE, CALIFORNIA STATION NAME 45-04 YEARS

5722 Daily Amounts 1969

PRECIP.	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85-94	95-100	PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
																MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85-94	95-100					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	98.0	1.4		.4				.2						.6	496	.4	5.3	.0
FEB	99.0	.4													481	TRACE	TRACE	.0
MAR	99.8	.2													589	TRACE	TRACE	.0
APR	100.0														570	.0	.0	.0
MAY	100.0														558	.0	.0	.0
JUN	100.0														540	.0	.0	.0
JUL	100.0														558	.0	.0	.0
AUG	100.0														589	.0	.0	.0
SEP	100.0														570	.0	.0	.0
OCT	100.0														558	.0	.0	.0
NOV	100.0														540	.0	.0	.0
DEC	99.4	.4	.2											.2	527	TRACE	.3	.0
ANNUAL	99.7	.2	.0	.0	.0			.0					.0	.1	6576	.4		

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

93104 STATION CHINA LAKE, CALIFORNIA 49-64 YEARS

AMOUNTS (INCHES)																	PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	50.5-100.0	100.1-200.0	OVER 200.0	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	50.5-100.0	100.1-200.0	OVER 200.0						
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120								
JAN	98.3	1.0	.5				.2									.7	403				
FEB	100.0																367				
MAR	100.0																465				
APR	100.0																420				
MAY	100.0																403				
JUN	100.0																420				
JUL	100.0																434				
AUG	100.0																434				
SEP	100.0																450				
OCT	100.0																465				
NOV	100.0																420				
DEC	100.0																403				
ANNUAL	99.9	.1	.0				.0									.1	5084				

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

93104

CHINA LAKE, CALIFORNIA

STATION

STATION NAME

45-64

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

5723 Extreme Values Jan 1969

NAVWEASERVCOM

2

SNOWFALL

FROM DAILY OBSERVATIONS)

STATION
93104

STATION NAME
CHINA LAKE, CALIFORNIA

STATION NAME

45-64

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

NAVWEASERVCOM

5723 Extreme Values Jan 1969

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION 93104 CHINA LAKE, CALIFORNIA 49-64 YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45													
46													
47													
48													
49													
50													
51													
52													
53													
54													
55													
56													
57	TRACE												TRACE
58													
59													
60													
61													
62													
63													
64													
MEAN	.4	.003	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.6
S.D.	1.387	.003	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.667
TOTAL OBS.	403	367	465	420	403	420	434	434	450	465	420	403	5084

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

93104

CHINA LAKE, CALIFORNIA

1946-1964

STATION

STATION NAME

YEARS

DAILY EXTREME AMOUNTS

5724 DAILY AMOUNTS MAR 1978

JANUARY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	T	T	1955			
2	T	T	1963*			
3	T	T	1963*			
4						
5	0.12	3	1957			
6	0.50	13	1959	T	T	1955*
7	0.06	2	1952			
8	T	T	1953			
9	0.01		1949	0.1	3	1949
10	0.19	5	1960	0.6	15	1949
11	0.13	4	1949	1.5	38	1949
12	0.74	19	1957	T	T	1949
13	0.16	4	1949	1.3	33	1949
14	0.09	2	1960	1.0	25	1960
15	0.40	10	1952			
16	0.10	3	1952			
17	0.85	22	1952			
18	0.40	10	1954*	T	T	1955
19	0.91	23	1954	T	T	1949
20	0.21	5	1962			
21	0.12	3	1964	T	T	1962
22	0.54	14	1962	5.3	135	1962
23						
24	0.13	3	1952			
25	0.30	8	1958			
26	0.42	11	1956	T	T	1948
27	0.05	1	1957	0.5	13	1957
28	T	T	1947			
29	0.01		1951	T	T	1957
30	T	T	1963			
31	0.08	2	1963			
Monthly	0.91	23	1954	5.3	135	1962

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.59	15	1960			
2	T	T	1961*			
3	0.33	8	1958			
4	0.42	11	1958			
5	0.19	5	1948			
6	0.14	4	1950			
7	T	T	1962*			
8	0.62	16	1962			
9	0.89	23	1963			
10	0.11	3	1962			
11	0.08	2	1962			
12	0.01		1954*			
13	0.39	10	1954			
14	0.01		1950			
15	0.30	8	1959			
16	0.35	9	1959			
17	0.01		1950			
18	0.01		1950			
19	0.75	19	1958	T	T	1962
20	0.01		1950			
21	0.17	4	1959			
22	0.01		1950			
23	0.03	1	1957			
24	0.01		1950			
25	0.01		1950			
26	0.01		1950	T	T	1962
27	0.14	4	1949			
28	0.36	9	1957			
29	0.15	4	1952			
30						
31						
Monthly	0.89	23	1963	T	T	1962

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

STATION
93104

CHINA LAKE, CALIFORNIA
STATION NAME

MARCH

MONTH

YEARS

1946-1964

APRIL

MONTH

DAILY EXTREME AMOUNTS

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.05	1	1950			
2	T	T	1949			
3						
4	T	T	1949			
5	T	T	1947			
6	0.13	3	1958			
7	0.58	15	1952			
8	T	T	1963*			
9	0.02	1	1952			
10	T	T	1958			
11						
12						
13	0.02	1	1946			
14	0.27	7	1952			
15	0.89	23	1952	T	T	1952
16	0.21	5	1954			
17	0.01		1963			
18						
19	0.08	2	1947			
20	0.26	7	1958			
21	T	T	1958			
22	0.24	6	1954			
23						
24	0.02	1	1948			
25						
26						
27	0.25	6	1958			
28	0.11	3	1963			
29	T	T	1962*			
30	0.20	5	1946			
31	0.14	4	1949			
Monthly	0.89	23	1952	T	T	1952

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.16	4	1958			
2	T	T	1948			
3	0.18	5	1958			
4						
5	0.01		1951			
6	0.05	1	1958			
7	0.19	5	1958			
8	0.01		1952			
9	0.03	1	1952			
10						
11	T	T	1952			
12	0.88	22	1956			
13	0.06	2	1956			
14	T	T	1963*			
15	T	T	1949			
16						
17	0.05	1	1949			
18	T	T	1957*			
19	0.01		1952			
20	T	T	1957*			
21	0.02	1	1953			
22	T	T	1955*			
23						
24	T	T	1952*			
25	0.25	6	1947			
26	0.19	5	1947			
27	0.04	1	1960*			
28	0.06	2	1948			
29	T	T	1958*			
30	T	T	1958*			
31						
Monthly	0.88	22	1956			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

93104

CHINA LAKE, CALIFORNIA

1945-1964

STATION

STATION NAME

YEARS

MAY

MONTH

JUNE

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1						
2						
3	0.99	25	1945			
4						
5						
6	0.03	1	1959			
7	T	T	1964			
8	0.15	4	1945			
9	0.01		1956			
10	T	T	1958*			
11	T	T	1957			
12	T	T	1957			
13	0.10	3	1951			
14	0.03	1	1951			
15	T	T	1953			
16	T	T	1962*			
17	0.03	1	1949			
18	T	T	1957			
19	0.02	1	1954			
20						
21	0.02	1	1957			
22						
23	0.04	1	1957			
24	T	T	1955			
25	T	T	1964			
26						
27	T	T	1962			
28	T	T	1953			
29	0.99	25	1945			
30						
31	0.16	4	1948			
Monthly	0.99	25	1945			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	T	T	1950			
2						
3						
4	T	T	1949			
5	0.29	7	1960			
6	0.02	1	1963			
7	0.07	2	1948			
8						
9	T	T	1957			
10	0.03	1	1957			
11	T	T	1963			
12	T	T	1963			
13						
14						
15						
16						
17						
18						
19						
20						
21	T	T	1945			
22						
23	T	T	1952			
24						
25						
26	T	T	1952			
27						
28						
29						
30						
31						
Monthly	0.29	7	1960			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

STATION
93104

STATION NAME
CHINA LAKE, CALIFORNIA

1945-1964

YEARS

JULY

MONTH

AUGUST

MONTH

DAILY EXTREME AMOUNTS

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1						
2	T	T	1957*			
3						
4						
5						
6	T	T	1950			
7						
8	T	T	1950*			
9	T	T	1957*			
10						
11						
12						
13	T	T	1954*			
14						
15						
16	0.02		1953			
17	0.03		1954			
18	T	T	1956*			
19	T	T	1960*			
20	T	T	1960*			
21	T	T	1960			
22	0.03		1960			
23	T	T	1962*			
24	0.03		1946			
25	T	T	1964*			
26	T	T	1964*			
27	0.12		1964			
28	T	T	1951			
29	0.02		1952			
30	T	T	1949			
31	0.18		1950			
Monthly	0.18		1950			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.02		1945			
2	T	T	1954*			
3						
4	0.02		1964			
5	0.08		2 1961			
6	0.08		2 1945			
7	0.56		14 1963			
8	0.13		4 1963			
9						
10	T	T	1964*			
11	0.03		1 1961			
12	T	T	1953			
13						
14						
15	0.01		1958			
16	T	T	1962*			
17						
18	0.07		2 1945			
19	T	T	1961			
20						
21	0.09		2 1961			
22	0.35		9 1961			
23	T	T	1961*			
24						
25						
26						
27						
28	T	T	1954*			
29	T	T	1963			
30						
31						
Monthly	0.56		14 1963			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

93104

CHINA LAKE, CALIFORNIA

STATION

STATION NAME

YEARS

1945-1964

DAILY EXTREME AMOUNTS

SEPTEMBER

MONTH

OCTOBER

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	Y	Y	1960*			
2	0.41	10	1954			
3	Y	Y	1960*			
4	0.20	5	1963			
5						
6	0.07	2	1950			
7	0.68	17	1950			
8	Y	Y	1949			
9	Y	Y	1960*			
10	0.20	5	1960			
11	0.01		1959			
12	0.04	1	1959			
13	0.65	17	1959			
14						
15						
16						
17	0.27	7	1963			
18	0.92	23	1963			
19	0.75	19	1963			
20	0.06	2	1952			
21	Y	Y	1961			
22						
23	Y	Y	1958			
24	0.01		1964			
25	Y	Y	1962			
26	Y	Y	1962			
27	Y	Y	1958*			
28						
29	0.50	13	1957			
30	Y	Y	1959			
31						
Monthly	0.92	23	1963			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.16	4	1946			
2	Y	Y	1956			
3	Y	Y	1956			
4	0.07	2	1956			
5	0.25	6	1945			
6	0.75	19	1945			
7	Y	Y	1964			
8	0.04	1	1945			
9	Y	Y	1960*			
10	Y	Y	1960*			
11	0.02	1	1957			
12	0.31	8	1947			
13	0.11	3	1947			
14	Y	Y	1945			
15	0.05	1	1945			
16						
17	0.58	15	1963			
18	0.23	6	1963			
19	Y	Y	1961			
20	0.01		1957			
21	Y	Y	1957*			
22						
23	Y	Y	1958*			
24	0.40	10	1958			
25	0.03	1	1951			
26	Y	Y	1961*			
27	0.04	1	1964			
28	0.08	2	1964			
29	0.18	5	1945			
30	Y	Y	1948			
31	0.11	3	1961			
Monthly	0.75	19	1945			

* ALSO ON EARLIER YEARS

Y - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

93104

CHINA LAKE, CALIFORNIA

STATION

STATION NAME

NOVEMBER

MONTH

DECEMBER

MONTH

YEARS

1945-1964

DAILY EXTREME AMOUNTS

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.01		1959			
2	0.16	4	1957			
3	0.06	2	1960			
4						
5	0.72	18	1960			
6	0.11	3	1960			
7	0.02	1	1963			
8						
9						
10	0.04	1	1949			
11	0.76	19	1954			
12	0.81	21	1946			
13	1.03	26	1946			
14	0.06	2	1953			
15	0.51	13	1952			
16						
17						
18						
19	0.03	1	1963*			
20	0.36	9	1963			
21			1951			
22						
23	0.12	3	1946			
24						
25	0.78	20	1961			
26			1960*			
27						
28						
29						
30						
31	1.03	26	1946			
Monthly						

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.21	5	1952			
2	0.46	12	1961			
3	0.40	10	1954			
4	0.12	3	1947			
5	0.93	24	1947			
6			1947*			
7	0.09	2	1949			
8	0.32	8	1949	0.3	8	1960
9	0.17	4	1954			
10						
11			1951			
12	0.51	13	1951			
13						
14			1961*			1961
15	0.56	14	1957			
16	0.08	2	1957			
17	0.18	5	1952			
18			1962*			
19						
20	0.27	7	1959			
21	0.43	11	1945			
22	0.59	15	1945			
23	0.15	4	1946			
24	0.37	9	1959			
25	0.80	20	1946			
26	0.02	1	1953			
27	0.22	6	1952*			
28	0.34	9	1952			
29	0.03	1	1951			
30			1951			1951
31						
Monthly	0.93	24	1947	0.3	8	1960

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to ~~the~~ specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from 3-hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

 - a. Three tables are prepared for all surface winds included, and for all years combined as follows:
 - (1) Annual - all hours combined
 - (2) By month - all hours combined
 - (3) By month - by standard 3-hour groups
 - b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

EXTREME VALUES

SURFACE WINDS (FROM DAILY OBSERVATIONS)

93104 CHINA LAKE, CALIFORNIA 45-64 YEARS

STATION NAME

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45	NNE 58W	50WSW 67N	W 71	SW 52WSW 50SW 59WSW 48	W 51	WSW 67							
46	NNE 58W	50WSW 67N	W 71	SW 52WSW 50SW 59WSW 48	W 51	WSW 67							
47	NNE 58W	50WSW 67N	W 71	SW 52WSW 50SW 59WSW 48	W 51	WSW 67							
48	NNE 58W	50WSW 67N	W 71	SW 52WSW 50SW 59WSW 48	W 51	WSW 67							
49	NNE 58W	50WSW 67N	W 71	SW 52WSW 50SW 59WSW 48	W 51	WSW 67							
50	NNE 58W	50WSW 67N	W 71	SW 52WSW 50SW 59WSW 48	W 51	WSW 67							
51	NNE 58W	50WSW 67N	W 71	SW 52WSW 50SW 59WSW 48	W 51	WSW 67							
52	NNE 58W	50WSW 67N	W 71	SW 52WSW 50SW 59WSW 48	W 51	WSW 67							
53	NNE 58W	50WSW 67N	W 71	SW 52WSW 50SW 59WSW 48	W 51	WSW 67							
54	NNE 58W	50WSW 67N	W 71	SW 52WSW 50SW 59WSW 48	W 51	WSW 67							
55	NNE 58W	50WSW 67N	W 71	SW 52WSW 50SW 59WSW 48	W 51	WSW 67							
56	NNE 58W	50WSW 67N	W 71	SW 52WSW 50SW 59WSW 48	W 51	WSW 67							
57	NNE 58W	50WSW 67N	W 71	SW 52WSW 50SW 59WSW 48	W 51	WSW 67							
58	NNE 58W	50WSW 67N	W 71	SW 52WSW 50SW 59WSW 48	W 51	WSW 67							
59	NNE 58W	50WSW 67N	W 71	SW 52WSW 50SW 59WSW 48	W 51	WSW 67							
60	NNE 58W	50WSW 67N	W 71	SW 52WSW 50SW 59WSW 48	W 51	WSW 67							
61	NNE 58W	50WSW 67N	W 71	SW 52WSW 50SW 59WSW 48	W 51	WSW 67							
62	NNE 58W	50WSW 67N	W 71	SW 52WSW 50SW 59WSW 48	W 51	WSW 67							
63	NNE 58W	50WSW 67N	W 71	SW 52WSW 50SW 59WSW 48	W 51	WSW 67							
64	NNE 58W	50WSW 67N	W 71	SW 52WSW 50SW 59WSW 48	W 51	WSW 67							
MEAN	46.8	46.8	53.6	49.4	49.7	49.8	40.9	37.9	40.3	44.6	40.3	43.9	59.2
S. D.	8.468	9.136	7.868	6.878	8.724	6.752	6.114	6.676	9.510	10.087	10.028	9.443	6.555
TOTAL OBS.	552	536	557	535	617	565	584	556	539	526	447	553	6567

2

STATION
93104

65-66

YEARS

DAILY PEAK GUSTS IN KNOTS
/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

5723 Extreme Values Jan 1969

[illegible]

NAVWEASERVCOM

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA

7-1-77

YEARS

JAN
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7				.7							1.3	11.5
NNE		.7										.7	5.0
NE													
ENE													
E													
ESE													
SE													
SSE													
S	2.0	.7										2.6	2.6
SSW	2.6	3.3	.7	.7								7.2	5.5
SW	2.6	1.3	.7	.7								4.6	4.1
WSW	2.0	2.0	.7	.7								5.3	5.4
W	2.6	3.9	1.3	.7	.7							9.2	6.4
WNW	.7	1.3	2.0									3.9	5.8
NW	1.3	1.3		.7								3.3	5.6
NNW	.7	.7										1.3	3.0
VARBL													
CALM												60.5	
	15.1	15.1	5.3	2.6	1.3							100.0	2.2

TOTAL NUMBER OF OBSERVATIONS

152

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9			.6		.6						3.2	9.0
NNE	.6	1.3										1.9	3.7
NE	.6											.6	2.0
ENE													
E	.6											.6	1.0
ESE		.6										.6	5.0
SE	.6											.6	2.0
SSE	1.3	1.9										3.2	4.4
S	2.6	3.9	.6		.6							7.7	5.4
SSW	1.9											1.9	2.3
SW	.6	.6										.6	6.0
WSW	.6	1.3	.6	.6		1.3						1.9	9.3
W	2.6	1.3	.6	.6								5.8	8.2
WNW	.6		.6									1.3	6.5
NW	.6	1.3	.6	.6								3.2	6.4
NNW	1.3	.6	1.3	.6								3.9	6.2
VARBL													
CALM												62.6	
	16.1	11.6	3.9	3.2	.6	1.9						100.0	2.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA

73-77

STATION NAME

YEARS

JAN
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6		.6		.6							1.9	9.3
NNE	1.9		.6	1.3								3.9	7.5
NE	1.9											1.9	2.3
ENE	3.9	3.9	.6									8.4	3.8
E	1.3	3.2	.6									5.2	4.5
ESE	1.9	2.6	1.3									5.8	4.9
SE	3.2	3.2										6.5	3.9
SSE	.6	1.9	.6									3.2	5.2
S	2.6	2.6	.6	.6								6.5	4.8
SSW	1.9		.6	.6								3.2	6.8
SW													
WSW	.6				.6							1.3	10.0
W	1.9	1.3			1.3		.6					5.2	10.9
WNW	.6											.6	2.0
NW				.6	.6							1.3	15.0
NNW	1.3	1.3	1.3	.6								4.5	6.9
VARB													
CALM												40.6	
	24.5	20.0	7.1	3.9	3.2		.6					100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA

73-77

STATION NAME

YEAR

JAN
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.4										1.4	6.0
NNE	.7	2.1		.7	.7							4.1	8.2
NE	2.1		.7	.7								3.4	5.6
ENE	4.8	4.8										9.6	3.3
E	2.1	2.1										4.1	4.0
ESE	2.7	2.7	1.4	1.4								8.2	6.0
SE		5.5	.7	.7								6.8	6.5
SSE	1.4	2.1	2.7									6.2	5.6
S		.7	1.4									2.1	8.0
SSW			1.4	2.1								3.4	11.0
SW	.7		.7									1.4	6.0
WSW	.7	1.4	.7		.7							3.4	7.4
W	.7	1.4			.7	.7						3.4	10.8
WNW	.7	.7	2.1									3.4	7.6
NW	.7	.7	1.4	.7								3.4	7.8
NNW	1.4	2.1		.7								4.1	5.7
VARBL													
CALA												31.5	
	18.5	27.4	13.0	6.8	2.1	.7						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

146

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)93104
STATIONCHINA LAKE, CALIFORNIA
STATION NAME73-77
YEARSJAN
MONTHALL WEATHER
CLASS19
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		1.0		1.0								2.0	9.0
NE		1.0										1.0	4.0
ENE													
E		1.0										1.0	6.0
ESE													
SE													
SSE		4.9										4.9	5.4
S		3.9										3.9	4.5
SSW	2.9	6.9	3.9	2.0								15.7	5.9
SW	5.9	12.7	2.0	2.0								20.6	4.8
WSW	5.9	14.7	2.0									22.5	4.3
W	2.9	5.9										8.8	3.9
WNW	1.0	2.9	2.0	1.0								6.9	6.7
NW			1.0									1.0	10.0
NNW	1.0		1.0	1.0								2.9	9.0
VARBL													
CALM												8.8	
	19.6	54.9	9.8	6.9								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

102

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

ALL WEATHER
CLASS

CONDITION

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

JAN
MONTH

ALL
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.3	.1	.1	.3	.1						1.7	9.0
NNE	.7	1.0	.1	.6	.1							2.5	7.1
NE	1.0	.1	.1	.1								1.4	4.1
ENE	1.8	1.8	.1									3.8	3.5
E	.8	1.3	.1									2.3	4.2
ESE	1.0	1.3	.6	.3								3.1	5.5
SE	.8	1.8	.1	.1								3.0	5.0
SSE	.7	2.0	.7									3.4	5.2
S	1.5	2.3	.6	.1	.1							4.6	5.0
SSW	1.8	1.7	1.1	1.0								5.6	6.3
SW	1.5	2.3	.3	.3								4.4	4.7
WSW	1.7	2.8	.7	.3	.3							5.8	5.5
W	2.1	2.5	.3	.3	.6	.4	.1					6.3	7.6
WNW	.7	.8	1.3	.1								3.0	6.4
NW	.6	.7	.6	.6	.1							2.5	7.7
NNW	1.1	1.0	.7	.6								3.4	6.3
VARBL													
CALM												43.2	
	18.7	23.7	7.6	4.5	1.5	.6	.1					100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

710

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4			1.4								2.8	6.0
NNE													
NE	.7											.7	3.0
ENE	.7	.7										1.4	3.0
E													
ESE													
SE													
SSE	.7											.7	1.0
S	2.8	2.8	1.4	.7	.7							8.5	6.1
SSW	2.8	1.4	1.4	.7								6.4	5.6
SW	1.4	1.4		1.4								4.3	6.0
WSW	3.5	1.4	2.8									7.8	4.8
W	1.4	.7	.7									2.6	4.3
WNW	.7	.7	2.1	.7	.7							4.3	9.8
NW	.7	1.4	2.1									4.3	6.7
NNW			.7									.7	8.0
VARBL													
CALA												55.3	
	16.3	10.6	11.3	5.0	1.4							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4		.7		1.4							3.3	10.8
NNE	2.1		.7									2.8	4.3
NE	1.4											1.4	2.5
ENE													
E	2.9											2.8	2.5
ESE	2.8	.7										3.5	3.4
SE	.7	2.1										2.8	4.0
SSE	2.1	2.8										5.0	4.0
S	2.1		1.4	1.4								5.0	7.6
SSW	2.1	.7		.7	.7							4.3	7.7
SW			.7		.7							1.4	13.0
WSW		2.1	.7	2.1		.7						5.7	11.8
W			2.1	.7	.7							3.5	11.8
WNW	1.4	.7	.7									2.8	4.5
NW			.7	.7								.7	13.0
NNW	.7	.7	.7	1.4								3.5	9.0
VARBL													
CALM												51.1	
	19.9	9.9	7.8	7.1	3.5	.7						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93104
STATION

CHINA LAKE, CALIFORNIA

STATION NAME

73-77

YEARS

FEB
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.4		1.4								2.8	7.8
NNE	.7	2.1			.7							3.5	6.6
NE	.7	1.4										2.1	3.7
ENE		2.8	.7									3.5	5.4
E	2.1	2.1										4.3	3.5
ESE	3.5	5.0	.7									9.2	4.1
SE	1.4	2.8	2.1									6.4	5.6
SSE	1.4	3.5	.7									5.7	4.9
S	.7	4.3	.7		.7							6.4	6.6
SSW		1.4	2.1	2.8	.7							7.1	10.8
SW		.7	1.4	2.1	.7							5.0	11.3
WSW	.7	.7	.7	2.8	2.1	.7						7.8	13.6
W		1.4		2.1								3.5	10.0
WNW					.7							.7	18.0
NW		.7	.7	.7								2.1	8.3
NNW		1.4			.7							2.1	9.0
VARBL													
CALM												27.7	
	11.3	31.9	9.9	12.1	6.4	.7						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.8		.8								2.3	6.3
NNE				.8	.8							1.5	16.5
NE	.8	1.5										2.3	4.0
ENE		1.5	1.5									3.0	6.0
E	3.0	3.8	3.8									10.6	5.6
ESE	1.5	4.5	3.8									9.8	5.8
SE	.8	6.8	3.0									10.6	5.6
SSE	2.3	8.3	.8	.8								12.1	5.3
S	.8	.8	3.0	1.5								6.1	8.9
SSW			3.8	1.5	1.5							6.8	11.7
SW			.8	1.5								2.3	13.0
WSW		.8	.8	3.0	.8							5.3	13.0
W		.8	.8	1.5	1.5	.8	.8					5.3	17.6
WNW		1.5		1.5	1.5	.8						3.8	14.0
NW													
NNW	.8	3.8		.8								5.3	5.9
VARBL													
CALM												12.9	
	10.6	34.1	22.0	12.1	6.1	1.5	.8					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

132

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				1.1								1.1	12.0
NNE			1.1									1.1	8.0
NE													
ENE		1.1										1.1	4.0
E	1.1		1.1									2.2	6.0
ESE			1.1									1.1	6.0
SE		2.2										2.2	5.0
SSE	2.2											2.2	2.5
S	6.7	3.4	2.2	1.1								13.5	5.2
SSW	1.1	10.1	5.6	5.6								22.5	8.0
SW	2.2	4.5	1.1	2.2								10.1	6.7
WSW	4.5	5.6	2.2	1.1								13.5	5.6
W	1.1	5.6										6.7	4.7
WNW	1.1	1.1	1.1	1.1								4.5	7.0
NW				1.1								1.1	16.0
NNW		1.1										1.1	4.0
VARB													
CALM												15.7	
	20.2	34.8	15.7	13.5								100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

89

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.5	.2	.9	.3							2.6	8.7
NNE	.6	.5	.3	.2	.3							1.9	7.6
NE	.8	.6										1.4	3.4
ENE	.2	1.2	.5									1.9	5.1
E	1.9	1.2	.9									4.0	4.7
ESE	1.7	2.2	1.1									5.0	4.8
SE	.6	2.8	1.1									4.5	5.3
SSE	1.7	3.1	.3	.2								5.3	4.6
S	2.3	2.2	1.7	.9	.3							7.5	6.6
SSW	1.2	2.2	2.3	2.0	.6							8.4	8.7
SW	.6	1.1	.8	1.4	.3							4.2	8.9
WSW	1.6	1.9	1.4	1.9	.6	.3						7.6	9.3
W	.5	1.2	.8	.9	.5	.2	.2					4.2	10.3
WNW	.5	.8	.8	.3	.6	.2						3.1	9.7
NW	.2	.5	.6	.5								1.7	8.5
NNW	.3	1.4	.3	.5	.2							2.6	7.4
VARBL													
CALM												34.2	
	15.4	23.3	13.0	9.6	3.7	.6	.2					100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

644

DIRNAVOGEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

MAR
MONTH

ALL WEATHER
CLASS

07
HOURS (L & T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.7								.7	12.0
NNE		.7										.7	6.0
NE													
ENE	.7	.7										1.3	4.0
E	1.3	.7										2.0	2.7
ESE	1.3	.7										2.0	3.7
SE			.7									.7	10.0
SSE			.7									.7	8.0
S		1.3	1.3									2.6	5.8
SSW	2.6	.7	2.0	2.0	.7							7.8	8.1
SW		2.6	2.0	2.0	.7							7.2	9.8
WSW	2.6	4.6	2.0	2.0	.7							11.8	7.2
W	2.6	2.0	.7	1.3	.7							7.2	7.3
WNW	.7	1.3	1.3									3.3	5.2
NW			.7									.7	8.0
NNW			2.0	.7								2.6	9.5
VARBL													
CALM												49.0	
	11.8	15.0	13.1	8.5	2.6							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

123

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

MAR
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	1.3	.7	.7	.7	.7						6.5	8.2
NNE	1.3	1.3		.7								3.3	5.8
NE		.7										.7	4.0
ENE	1.3	.7	.7									2.6	4.5
E	1.3	2.0		.7								3.9	5.2
ESE	.7	.7	1.3	.7								3.3	6.6
SE	.7	1.3	.7									2.6	4.5
SSE	.7	2.0										2.6	4.5
S	2.0	2.6	1.3	1.3								7.2	6.0
SSW		1.3	1.3	1.3								3.9	8.7
SW	.7	.7	.7	3.3	1.3							6.5	12.5
WSW	2.0	.7	.7	2.0	.7	.7						6.5	10.9
W		2.0	.7	4.6								6.5	11.1
WNW			.7									.7	10.0
NW	1.3	.7			.7							2.6	6.8
NNW	.7			1.3	.7							2.6	12.0
VARBL													
CALM												37.9	
	15.0	17.6	7.8	16.3	3.9	1.3						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

153

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

MAR
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.7	2.0	.7								4.6	10.1
NNE	.7	1.3	1.3									4.6	8.1
NE		.7										.7	10.0
ENE		1.3	.7									2.0	6.7
E	2.6	2.6	.7	.7								6.5	5.2
ESE	1.3	2.6	3.3	2.0								9.2	7.5
SE	.7	3.9	.7									5.2	5.1
SSE	.7	4.6	2.0	.7								7.8	6.3
S	1.3	1.3	3.9	3.9								10.5	8.9
SSW	1.3	3.3	2.6	1.3	.7	.7						9.8	8.9
SW		2.0		3.3	1.3							6.5	11.6
WSW		1.3	3.9	3.9	2.0	1.3						12.4	12.9
W	.7			1.3	1.3							4.6	17.0
WNW		2.6		2.0								4.6	8.3
NW		.7	.7									1.3	7.0
NNW	.7	.7	.7	.7								2.6	7.0
VARBL													
CALM												7.2	
	11.1	28.1	21.6	22.9	5.9	3.3						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

153

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

MAR
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	.7	.7								2.2	8.3
NNE	.7		1.4		1.4							3.6	11.2
NIE	.7	1.4										2.2	3.7
ENE	1.4		.7	.7								2.9	6.3
E	.7	2.2	.7									3.6	5.2
ESE	.7	2.9	2.9									6.5	6.0
SE	.7	.7	2.2									3.6	6.6
SSE	.7	2.9	2.9									6.5	6.3
S		1.4	5.1	2.2	1.4							10.1	10.3
SSW		.7	5.1	3.6	.7	.7						10.9	11.3
SW		.7	2.2	2.9	1.4	.7						8.0	13.4
WSW		1.4	2.9	6.5	4.3		.7					15.9	14.0
W			2.2	2.2	.7	1.4						6.5	15.8
WNW		.7	2.2	2.2								5.1	9.7
NW		.7		.7	.7							2.2	13.3
NNW	.7		1.4		.7							2.9	9.5
VARBL													
CALM												7.2	
	6.5	16.7	32.6	21.7	11.6	2.9	.7					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS

138

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA

73-77

STATION NAME

YEARS

MAR
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0		1.0								2.0	9.5
NNE		1.0	3.0									4.0	7.5
NE	2.0											2.0	2.0
ENE		1.0	1.0									2.0	6.0
E			1.0									1.0	8.0
ESE	1.0											1.0	2.0
SE	1.0	1.0	2.0									4.0	5.5
SSE	4.0	2.0										5.9	2.8
S			1.0	3.0		1.0						5.0	14.0
SSW	1.0	5.0	3.0	3.0	1.0							12.9	6.3
SW	1.0	2.0	2.0	5.9	1.0							11.9	10.3
WSW	2.0	5.9	4.0	5.0	1.0							17.8	8.5
W	1.0	3.0	2.0	2.0	2.0							9.9	10.3
WNW		2.0	2.0	1.0	1.0							5.9	10.2
NW		1.0	1.0									2.0	6.5
NNW				1.0								1.0	16.0
VARBL													
CALM												11.9	
	12.9	24.8	21.8	21.8	5.9	1.0						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

101

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

MAR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.6	.4	1.0	.3	.1						3.3	9.1
NNE	.6	.9	1.0	.4	.3							3.2	8.1
NE	.4	.4	.1									1.0	4.1
ENE	.7	.7	.6	.1								2.1	5.5
E	1.3	1.6	.4	.3								3.6	5.0
ESE	1.0	1.4	1.6	.6								4.6	6.4
SE	.6	1.4	1.1									3.2	5.6
SSE	1.0	2.3	1.1	.1								4.6	5.5
S	.7	1.4	2.6	2.0	.3	.1						7.2	8.9
SSW	1.0	2.0	2.7	2.1	.6	.3						8.7	9.2
SW	.3	1.6	1.3	3.3	1.1	.1						7.7	11.5
WSW	1.3	2.6	2.6	3.7	1.7	.4	.1					12.5	10.9
W	.9	1.3	.9	2.3	.9	.6						6.7	11.8
WNW	.1	1.3	1.1	1.0	.1							3.7	8.6
NW	.3	.6	.4	.1	.3							1.7	8.5
NNW	.4	.1	.9	.7	.3							2.4	9.9
VARBL													
CALM												23.8	
	11.5	20.2	18.9	17.9	5.9	1.7	.1					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

698

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	.7									3.3	4.6
NNE													
NE	.7	.7										1.3	3.5
ENE													
E	.7											.7	3.0
ESE													
SE													
SSE	2.0	.7										2.7	3.5
S	.7	2.0	2.0									4.7	6.0
SSW	.7	2.0	.7	2.0								5.3	8.4
SW	.7	.7	2.0	1.3								4.7	9.6
WSW	4.0	3.3		2.0	.7							10.0	6.5
W	1.3	2.0	.7	1.3								5.3	7.0
WNW	2.0	.7	.7	.7	.7							4.7	7.1
NW	1.3			.7	.7							2.7	9.5
NNW	1.3	2.0	3.3	1.3	.7							8.7	8.5
VARBL													
CALM												46.0	
	16.7	15.3	10.0	9.3	2.7							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.7	.7		.7						2.7	11.5
NNE	1.3	.7	.7	1.3	.7							4.7	9.3
NE	.7	2.0	.7									3.3	5.2
ENE													
E	.7	.7	.7									2.0	5.0
ESE	2.7	7.3	1.3									11.3	4.6
SE	1.3	3.3	1.3									6.0	4.4
SSE	2.0	.7										2.7	3.3
S	2.7	4.7	1.3		.7							9.3	5.2
SSW		2.0	1.3	3.3	.7							7.3	10.6
SW	.7	.7	.7	1.3		.7						4.0	11.7
WSW		1.3	.7	1.3	.7							4.0	10.2
W	2.0	2.0	1.3	.7	.7							6.7	7.4
WNW	1.3		1.3									2.7	5.0
NW				1.3								1.3	13.0
NNW			1.3	1.3	.7							3.3	13.8
VARBL													
CALM												28.7	
	16.0	26.0	12.7	11.3	4.0	1.3						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

150

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

03104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.0	2.7									4.7	7.3
NNE	.7	2.0	.7	.7	.7							4.7	8.4
NE			1.3	.7								2.0	11.0
ENE	.7		.7	.7								2.0	7.3
E	.7	2.7	1.3									4.7	5.4
ESE	.7	3.3	2.7	.7								7.3	6.5
SE	2.0	6.0	4.7									12.7	5.9
SSE	1.3	4.0	4.7									10.0	6.4
S	1.3	5.3	1.3	2.7	.7							11.3	7.6
SSW	1.3	2.0	2.0	3.3	1.3	.7						10.7	10.9
SW		.7	2.7	5.3	.7							9.3	11.6
WSW		1.3	2.0	1.3	.7	.7						6.0	11.4
W			2.0	3.3	2.0			.7				8.0	16.3
WNW													
NW			.7	.7								1.3	11.5
NNW		.7		.7	.7							2.0	13.0
VARBL													
CALM												3.3	
	8.7	30.0	29.3	20.0	6.7	1.3		.7				100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7			.7	.7							2.2	12.0
NNE				.7	.7							.7	12.0
NE				.7	.7							1.4	15.0
ENE	.7	.7										1.4	3.5
E	2.9	.7	1.4	.7								5.8	5.5
ESE		2.9	4.3	.7								8.0	7.6
SE		.7	3.6	2.2								6.5	9.6
SSE			4.3									4.3	9.0
S		4.3	5.8	4.3	.7							15.2	9.9
SSW		1.4	6.5	7.2	1.4							16.7	11.2
SW		.7	2.2	2.9	.7							6.5	11.8
WSW			2.9	5.1	.7	.7						9.4	13.2
W		1.4	2.2	8.0	2.9							14.5	13.5
WNW	.7	.7	.7	.7	.7							3.6	10.2
NW	.7		.7									1.4	5.5
NNW		.7										.7	4.0
VARBL													
CALM												1.4	
	5.8	14.5	34.8	34.1	8.7	.7						100.0	10.4

TOTAL NUMBER OF OBSERVATIONS

138

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.0	1.0								2.0	11.0
NNE			1.0	1.0								2.0	11.0
NE													
ENE													
E		1.0		1.0								2.0	9.0
ESE		1.0	4.0									5.0	7.4
SE			1.0									1.0	8.0
SSE		2.0	3.0									5.0	6.8
S		3.0	2.0	2.0	1.0							7.9	9.1
SSW	2.0	5.0	9.9	6.9	1.0							24.8	8.9
SW	1.0	4.0	3.0									7.9	5.5
WSW	1.0	3.0	5.0	1.0	2.0							11.9	9.3
W	1.0	2.0	8.9	5.0	1.0							17.8	9.6
WNW		1.0	1.0	3.0		1.0						5.9	12.3
NW		1.0										1.0	5.0
NNW			1.0	1.0		1.0						3.0	15.3
VARBL													
CALM												3.0	
	5.0	22.8	40.6	21.8	5.0	2.0						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

101

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	.9	.9	.4	.1	.1						3.0	8.5
NNE	.4	.6	.4	.7	.3							2.5	9.3
NE	.3	.6	.4	.3	.1							1.7	8.0
ENE	.3	.1	.1	.1								.7	5.8
E	1.0	1.0	.7	.3								3.0	5.6
ESE	.7	3.0	2.3	.3								6.4	6.2
SE	.7	2.2	2.2	.4								5.5	6.5
SSE	1.2	1.5	2.3									4.9	6.2
S	1.0	3.9	2.5	1.7	.6							9.7	7.8
SSW	.7	2.3	3.6	4.4	.9	.1						12.0	10.1
SW	.4	1.2	2.0	2.3	.3	.1						6.4	10.2
WSW	1.0	1.7	1.9	2.2	.9	.3						8.0	9.9
W	.9	1.5	2.6	3.5	1.3			.1				9.9	11.3
WNW	.9	.4	.7	.7	.3	.1						3.2	8.9
NW	.4	.1	.3	.6	.1							1.6	9.4
NNW	.3	.7	1.2	.9	.4	.1						3.6	10.8
VARBL													
CALM												17.7	
	10.9	21.8	24.2	18.9	5.4	1.0		.1				100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

689

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.6	.6	.6								3.2	6.2
NNE					.6							.6	18.0
NE													
ENE													
E	.6		.6	.6								1.9	8.0
ESE	.6	1.3	.6									2.6	5.0
SE			.6									.6	9.0
SSE	1.3	.6	.6									2.6	3.8
S	1.3											1.3	3.0
SSW	.6	1.9		.6								3.2	5.2
SW	.6		1.3	2.6								4.5	11.3
WSW	3.2	.6	1.3	.6	.6							6.5	7.0
W	1.9	.6	.6	1.9		.6						5.8	9.9
WNW	.6	1.3	.6									2.6	5.3
NW	.6	1.3	.6									2.6	6.0
NNW	2.6	.6	.6	.6								4.5	5.4
VARBL													
CALM												57.4	
	15.5	9.0	8.4	7.7	1.3	.6						100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.6								.6	12.0
NNE		.6		.6	.6							1.9	12.3
NE		1.3										1.3	5.5
ENE	.6											.6	2.0
E	3.2	2.6	1.9		.6							8.4	5.9
ESE	3.9	3.9	1.3	.6								9.7	5.0
SE	5.6	3.9	.6	.6								11.0	4.4
SSE	1.9	5.8	1.9	.6								10.3	5.7
S	.6	1.3	.6									2.6	4.8
SSW	1.3	1.9		1.9	.6							5.8	9.3
SW			.6	1.9	.6							3.2	14.4
WSW		.6		1.9		.6						3.2	14.2
W		.6		.6	.6							1.9	13.3
WNW	.6	2.6	.6		.6							4.5	6.9
NW		1.3	.6									1.9	5.7
NNW				.6								.6	14.0
VARBL													
CALM												32.3	
	16.1	26.5	8.4	10.3	3.9	.6						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3		.7		.7							2.6	8.0
NNE	.7	1.3		2.0								3.9	7.8
NE	.7		2.0									2.6	7.5
ENE	.7											.7	2.0
E	.7	1.3	1.3	.7								3.9	6.5
ESE	1.3	4.6	2.6	2.0								10.5	6.8
SE	1.3	3.3	3.9									8.5	6.4
SSE		.7	3.3	.7								4.6	8.6
S	.7	4.6	3.9	2.0	.7							11.8	8.1
SSW	1.3	2.0	2.6	3.9	.7							10.5	10.0
SW	.7	.7	5.9	3.3	.7	.7						11.8	10.9
WSW		2.6	3.3	3.9	1.3	.7						11.8	11.6
W	1.3	.7		1.3	1.3							4.6	10.3
WNW	.7		.7									1.3	6.0
NW	.7	1.3			.7							2.6	7.5
NNW	.7	.7	1.3			.7						3.3	9.4
VARBL													
CALM												5.2	
	12.4	23.5	31.4	19.6	5.9	2.0						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

153

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7											1.7	2.5
NNE			.8	.8								1.7	10.0
NE													
ENE													
E	.8	1.7										2.5	4.7
ESE		3.4	1.7	3.4		.8						9.3	10.0
SE		1.7										1.7	6.0
SSE	.8	3.4	5.9									10.2	7.2
S	1.7	1.7	5.1	.8								10.2	8.8
SSW		2.5	6.8	11.0	.8							21.2	11.1
SW		.8	2.5	3.4	1.7	.8						9.3	13.0
WSW		.8	5.1	3.4	.8	1.7	.8					12.7	13.5
W			3.4	4.2	.8	.8						9.3	13.0
WNW		.8	1.7		.8	.8						3.4	11.8
NW			1.7									2.5	13.3
NNW													
VARBL													
CALM												4.2	
	5.1	16.9	34.7	27.1	5.1	5.9	.8					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

118

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		1.2										1.2	6.0
NE			1.2									1.2	8.0
ENE													
E		2.3										2.3	5.0
ESE		1.2	1.2	1.2								3.5	9.0
SE		1.2										1.2	6.0
SSE		1.2										1.2	4.0
S													
SSW	1.2	4.7	5.8	1.2	1.2							14.0	8.2
SW		3.5	7.0	3.5								14.0	9.5
WSW		7.0	8.1	3.5	1.2							19.8	8.4
W		5.8	14.0	4.7								24.4	8.6
WNW		2.3	4.7	1.2	1.2							9.3	9.3
NW		1.2				1.2						2.3	13.5
NNW				2.3								2.3	12.0
VARBL													
CALM												3.5	
	1.2	31.4	41.9	17.4	3.5	1.2						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

86

DIRNAVOCEANMET SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME

73-77

YEARS

MAY

MONTH

ALL WEATHER

CLASS

ALL

MOORE (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) Dir.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	.1	.3	.3	.1							1.8	6.7
NNE	.1	.6	.1	.7	.3							1.9	9.8
NE	.1	.3	.6									1.0	7.0
ENE	.3											.3	2.0
E	1.2	1.5	.9	.3	.1							4.0	6.1
ESE	1.3	3.0	1.5	1.3		.1						7.3	6.9
SE	1.6	2.1	1.2	.1								5.1	5.4
SSE	.9	2.4	2.4	.3								6.0	6.4
S	.9	1.6	1.9	.6	.3							5.4	7.7
SSW	.9	2.4	2.5	3.6	.4	.1						10.0	9.6
SW	.3	.7	3.1	2.8	.6	.3						7.9	11.4
WSW	.7	1.9	3.0	2.5	.7	.6	.1					9.7	10.7
W	.7	1.2	2.5	2.2	.6	.3						7.6	10.3
WNW	.4	1.3	1.3	.1	.3	.1						3.7	8.1
NW	.3	1.0	.6		.3	.1						2.4	8.6
NNW	.7	.3	.4	.6		.1						2.2	8.2
VARBL													
CALM												23.2	
	11.7	20.7	22.6	15.7	3.9	1.9	.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

667

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

75-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.0		.7								4.7	4.4
NNE	1.3	.7										2.0	3.0
NE	.7	.7										1.3	4.0
ENE													
E													
ESE		.7										.7	5.0
SE	.7	1.3	.7									2.7	4.5
SSE	1.3											1.3	2.0
S	1.3	.7	.7	.7								3.3	6.8
SSW	.7	1.3		1.3								3.3	7.2
SW	.7		2.0	.7								3.3	8.0
WSW	1.3	1.3	.7									3.3	3.8
W	1.3	1.3	.7		.7							4.0	6.7
WNW	2.0											2.0	3.0
NW	.7	.7	1.3									2.7	5.8
NNW	2.0	1.3	1.3	.7								5.3	6.3
VARBL													
CALM												60.0	
	16.0	12.0	7.3	4.0	.7							100.0	2.2

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

SURFACE WINDS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7		.7									1.3	5.0
NNE	2.0	.7		.7								3.3	5.4
NE	1.3											1.3	2.0
ENE	2.7	.7										3.3	3.0
E	2.0	3.3										5.3	3.8
ESE	2.0	3.3	.7									6.0	4.9
SE	2.7	6.0	2.0									10.7	4.8
SSE	.7	4.7	1.3									6.7	5.0
S	2.7	4.7	3.3	.7								11.3	6.1
SSW	2.0	.7	2.7	2.0								7.3	8.1
SW		2.0	.7	2.0								4.7	9.1
WSW				.7	.7							1.3	15.5
W			.7									.7	10.0
WNW													
NW				.7								.7	12.0
NNW													
VARBL													
CALM												36.0	
	18.7	26.0	12.0	6.7	.7							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7		.7								1.3	9.0
NNE	1.3			.7								2.0	5.7
NE	.7	.7										1.3	3.0
ENE	.7		.7									1.3	5.5
E			2.7									2.7	7.8
ESE	.7	3.3	5.3	1.3								10.7	7.2
SE	.7	3.3	6.0	.7								10.7	7.1
SSE		5.3	5.3	1.3								12.0	7.9
S	.7	5.3	8.0	4.0	.7							18.7	8.6
SSW	.7	3.3	6.7	4.0								14.7	8.7
SW		.7	2.0	3.3								6.0	10.7
WSW		1.3	2.0	3.3	.7	.7						8.0	12.0
W		.7	1.3	.7								2.7	9.5
WNW		.7										.7	4.0
NW		1.3										1.3	6.0
NNW	.7	.7										1.3	4.5
VARBL													
CALM												4.7	
	6.0	27.3	40.0	20.0	1.3	.7						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8			.8	.8							2.5	11.0
NNE				.8								.8	12.0
NE													
ENE	.8											.8	2.0
E			.8									.8	8.0
ESE		3.4	1.7	.8								5.9	7.1
SE		2.5	2.5	1.7								6.7	8.3
SSE		.8	2.5	.8								4.2	9.6
S		.8	5.9	5.0								11.8	10.7
SSW		4.2	7.6	8.4	.8							21.0	10.2
SW		1.7	9.2	5.9		.8						17.6	10.7
WSW		.8	3.4	5.9			.8					10.1	10.8
W		1.7	1.7	5.9								8.4	14.3
WNW			.8		.8	.8						4.2	13.6
NW	.8											.8	2.0
NNW		.8		.8								1.7	10.0
VARBL													
CALM												2.5	
	2.5	16.8	36.1	37.0	2.5	1.7	.8					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

119

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE		1.1		1.1								2.2	8.0
ENE													
E		2.2										2.2	5.0
ESE	1.1	3.4	2.2									6.7	5.3
SE													
SSE			1.1									1.1	8.0
S		2.2	2.2	1.1								5.6	9.0
SSW	1.1	1.1	6.7	5.6								14.6	9.5
SW			11.2	5.6	1.1							18.0	10.5
WSW		7.9	4.5	6.7								19.1	8.7
W		4.5	5.6	6.7		1.1	1.1					19.1	11.4
WNW	1.1	1.1	2.2	3.4								7.9	9.0
NW		1.1										1.1	4.0
NNW						1.1						1.1	22.0
VARBL													
CALM												1.1	
	3.4	24.7	36.0	30.3	1.1	2.2	1.1					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

89

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.6	.2	.5	.2							2.1	6.6
NNE	1.1	.3		.5								1.8	5.4
NE	.6	.5		.2								1.2	4.3
ENE	.9	.2	.2									1.2	3.5
E	.5	1.1	.8									2.3	5.3
ESE	.8	2.7	2.0	.5								5.9	6.3
SE	.9	2.9	2.4	.5								6.7	6.2
SSE	.5	2.4	2.1	.5								5.5	7.0
S	1.1	2.9	4.1	2.3	.2							10.5	8.3
SSW	.9	2.1	4.4	4.0	.2							11.6	9.1
SW	.2	.9	4.3	3.2	.2	.2						8.8	10.2
WSW	.3	1.8	1.8	2.9	.3	.2						7.3	9.8
W	.3	1.1	1.7	2.1	.2	.2	.3					5.8	11.2
WNW	.6	.6	.5	.5	.2	.2						2.4	9.0
NW	.3	.6	.3	.2								1.4	5.9
NNW	.6	.6	.3	.3		.2						2.0	7.8
VARBL													
CALM												23.6	
	10.2	21.3	24.9	17.8	1.2	.8	.3					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

658

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.9										3.2	3.6
NNE	1.3											1.3	2.0
NE	.6	.6										1.3	4.0
ENE													
E													
ESE													
SE	.6	.6										1.3	4.0
SSE	1.9											1.9	2.7
S	5.2	.6										5.8	2.9
SSW	1.9	1.9	3.9	1.3								9.0	7.1
SW	1.3	1.3	.6	.6								3.9	6.3
WSW	1.3	.6	.6									2.6	4.0
W	1.3	.6	.6	.6								2.6	4.8
WNW		1.3										1.3	4.0
NW	.6											.6	2.0
NNW	.6	2.6										3.2	4.0
VARBL													
CALM												61.9	
	18.1	12.3	5.2	2.6								100.0	1.8

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

JUL
MONTH

10
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6										1.3	3.0
NNE	.6	.6										1.3	3.0
NE	.6											.6	2.0
ENE	.6	1.3										1.9	3.0
E	3.2	4.5	.6									8.4	4.5
ESE	3.2	3.2										6.5	3.7
SE	1.9	2.6										4.5	3.6
SSE	5.2	7.1	.6									12.9	4.2
S	1.9	1.3	.6	1.3								5.2	6.3
SSW	.6	4.5	1.9	1.9	.6							9.7	7.8
SW	1.3	.6	.6	.6								3.2	6.6
WSW	.6	1.3	.6									2.6	5.0
W	2.6	.6										3.2	2.6
WNW													
NW		.6										.6	5.0
NNW	.6											.6	3.0
VARBL													
CALM												37.4	
	23.9	29.0	5.2	3.9	.6							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

7-1-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6											.6	2.0
NNE	.6											.6	2.0
NE													
ENE	1.3	1.3										2.6	3.5
E		1.3		.6								1.9	7.3
ESE	1.3	1.3	4.5	1.3								8.4	7.9
SE		2.6	5.8									8.4	7.1
SSE	.6	5.2	9.1	3.2								18.2	8.0
S	.6	3.9	9.1	4.5								18.2	8.7
SSW	1.3	2.6	6.5	8.4	.6							19.5	9.8
SW	.6	.6	6.5	2.6	.6							11.0	10.1
WSW	.6	1.3	1.3	.6	.6							4.5	8.6
W	.6	.6										1.3	3.5
WNW		.6										.6	4.0
NW		.6										.6	4.0
NNW		.6	.6									1.3	7.0
VARBL													
CALM												1.9	
	8.4	22.7	43.5	21.4	1.9							100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

134

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
93104

STATION NAME
CHINA LAKE, CALIFORNIA

YEARS
73-77

MONTH
JUL

CLASS
ALL WEATHER

HOURS (L.S.T.)
16

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8											.8	2.0
NNE													
NE													
ENE													
E													
ESE		1.7	.8	.8								3.4	9.0
SE			1.7									1.7	10.0
SSE			9.3	1.7								12.7	9.3
S	.8	1.7	6.8	2.5								11.9	8.7
SSW		2.5	18.6	9.3								30.5	9.7
SW		2.5	5.9	8.5	.8							17.8	11.5
WSW			4.2	7.6								11.9	10.9
W		.8	2.5	.8								4.2	9.2
WNW		.8										.8	4.0
NW													
NNW			.8									.8	8.0
VARBL													
CALM												3.4	
	1.7	11.9	50.8	31.4	.8							100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

118

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

JUL
MONTH

19
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE		1.1										1.1	4.0
E													
ESE													
SE		1.1										1.1	6.0
SSE		1.1		1.1								2.2	9.0
S		2.2	2.2									4.3	7.0
SSW		7.5	9.7	10.8								28.0	9.5
SW	1.1		6.5	5.4								12.9	10.8
WSW		3.2	7.5	4.3								15.1	9.6
W	1.1	3.2	11.8	8.6								24.7	9.4
WNW		1.1										1.1	6.0
NW			2.2	2.2								4.3	10.5
NNW		1.1	1.1	1.1								3.2	8.7
VARBL													
CALM												2.2	
	2.2	21.5	40.9	33.3								100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

93

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION
93104

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

JUL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.6										1.3	3.1
NNE	.6	.1										.7	2.4
NE	.3	.1										.4	3.3
ENE	.4	.7										1.2	3.4
E	.7	1.3	.1	.1								2.4	5.1
ESE	1.0	1.3	1.2	.4								4.0	6.5
SE	.6	1.5	1.6									3.7	6.0
SSE	1.8	3.3	3.9	1.2								10.1	6.9
S	1.9	1.9	3.7	1.8								9.3	7.5
SSW	.9	3.6	7.4	5.8	.3							17.9	9.1
SW	.9	1.0	3.7	3.1	.3							9.0	10.0
WSW	.6	1.2	2.4	2.1	.1							6.4	8.9
W	1.2	1.0	2.1	1.5								5.8	7.7
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION 93104 CHINA LAKE, CALIFORNIA STATION NAME 72-77 YEARS MONTH AUG HOURS (L.S.T.) 07

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	1.3	.6										1.9	3.0
NE		.6										.6	4.0
ENE													
E	1.3											1.3	2.0
ESE	.6		.6									1.3	5.0
SE	.6	.6										1.3	3.0
SSE													
S	1.3	1.9	1.3									4.5	5.4
SSW	4.5	1.9	1.3									7.8	4.0
SW		1.9		1.3	.6							3.9	10.0
WSW	1.3	1.9	.6									3.9	4.0
W	1.3	1.3	.6									3.2	3.8
WNW	1.9	1.3										3.2	3.0
NW													
NNW													
VARBL													
CALM												66.9	
	14.3	12.3	4.5	1.3	.6							100.0	1.5

TOTAL NUMBER OF OBSERVATIONS

124

AD-A060 546

NAVAL WEATHER SERVICE DETACHMENT /SHEVILLE N C F/G 4/2
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS), CHINA L--ETC(U)
JUL 78

UNCLASSIFIED

NL

2 OF 4

AD
A060546

Size	1/2 in.
Age	40
Ref. No.	100-100000

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

AUG
MONTH

10
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE		1.3										1.3	4.0
E	3.2	1.3	.6									5.2	3.5
ESE	3.9	2.6										6.5	3.4
SE	2.6	1.9	.6									5.2	4.0
SSE	4.5	3.9	1.3									9.7	4.1
S		1.9	.6	1.3								3.9	7.8
SSW	.6	4.5	.6	1.3								7.1	6.3
SW	.6	1.3	.6		.6							3.2	8.0
WSW	3.9	3.2	.6									7.7	4.1
W	.6	2.6										3.2	4.6
WNW													
NW													
NNW		1.3										1.3	4.0
VARBL													
CALA												45.8	
	20.0	25.8	5.2	2.6	.6							100.0	2.6

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE	1.3	.6										1.9	3.0
ENE		.6										.6	6.0
E		1.9	1.9	1.3								5.2	6.6
ESE	.6	3.2	3.2									7.1	6.1
SE		3.2	5.8									9.0	7.3
SSE	1.3	9.0	8.4	.6								19.4	7.0
S	1.9	3.9	7.1	3.2		.6						16.8	8.2
SSW		1.9	9.7	3.2								14.8	9.2
SW			4.5	3.2								7.7	10.7
WSW	.6	1.9	1.9	3.2		.6						8.4	10.2
W	.6	.6	1.3		.6							3.2	9.4
WNW			.6									.6	10.0
NW													
NNW		.6										.6	4.0
VARBL													
CALM												4.5	
	6.5	27.7	44.5	14.8	.6	1.3						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE		.8										.8	4.0
E	.8			.8								1.5	7.5
ESE		1.5										1.5	5.5
SE	.8	1.5	2.3									4.5	5.8
SSE		2.3	4.5	1.5								8.3	8.3
S		.8	6.8	7.6	.8							15.9	10.6
SSW		5.3	13.6	8.3	1.5							28.8	10.0
SW		.8	6.1	6.8								13.6	11.1
WSW			3.8	5.3								9.1	11.5
W		1.5	2.3	3.0	.8							7.6	10.6
WNW			.8	1.5	.8							2.3	14.0
NW				.8								.8	10.0
NNW		.8										1.5	8.5
VARBL													
CALM												3.8	
	1.5	15.2	40.2	35.6	3.8							100.0	9.6

TOTAL NUMBER OF OBSERVATIONS

132

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

03104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E	1.2											1.2	2.0
ESE													
SE	1.2	1.2	1.2									3.5	5.7
SSE	1.2				1.2							2.4	11.0
S		4.7		1.2								5.9	6.6
SSW	2.4	2.4	14.1	5.9	1.2							25.9	9.1
SW		5.9	10.6	5.9								22.4	9.1
WSW		7.1	3.5	4.7								15.3	8.5
W		3.5	7.1									10.6	7.9
WNW	1.2	3.5	1.2									5.9	4.8
NW		1.2										1.2	5.0
NNW	1.2											1.2	2.0
VARBL													
CALM												4.7	
	8.2	29.4	37.6	17.6	2.4							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

85

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.3	.1										.4	3.0
NE	.3	.3										.6	3.3
ENE		.6										.6	4.5
E	1.3	.7	.6	.4								3.1	5.6
ESE	1.2	1.6	.9									3.7	4.9
SE	1.0	1.8	2.1									4.6	5.6
SSE	1.5	3.4	3.1	.4	.1							8.5	6.6
S	.7	2.5	3.4	2.6	.1	.1						9.5	8.5
SSW	1.5	3.2	7.0	3.4	.4							15.6	8.6
SW	.1	1.6	3.7	3.1	.3							8.8	10.0
WSW	1.3	2.5	1.9	2.3		.1						3.2	8.1
W	.6	1.8	1.8	.6	.3							5.0	7.8
WNW	.6	.7	.3	.3	.1							2.1	6.5
NW		.1	.1									.3	7.5
NNW	.1	.6		.1								.9	5.2
VARBL													
CALM												27.9	
	10.6	21.6	24.8	13.4	1.5	.3						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

681

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7										.7	4.0
NNE	.7	.7										1.3	3.0
NE													
ENE		.7										.7	4.0
E	.7											.7	2.0
ESE	.7											.7	2.0
SE		.7										.7	6.0
SSE	.7											.7	2.0
S	.7	.7	.7	.7								2.7	7.0
SSW	2.0	1.3	2.0									5.3	5.3
SW	2.7	2.0	.7									5.3	4.1
WSW	1.3	2.0										3.3	4.0
W	5.3		1.3									6.7	3.4
WNW	4.0	.7										4.7	2.9
NW	.7	.7	.7									1.3	3.0
NNW		1.3										2.0	6.3
VARBL													
CALM												63.3	
	19.3	11.3	5.3	.7								100.0	1.5

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.7										2.0	3.0
NNE													
NE	.7											.7	2.0
ENE	.7	2.0										2.7	4.5
E	3.3	3.3	.7									7.3	4.3
ESE	1.3	6.7	.7									8.7	4.5
SE	1.3	2.7	1.3									5.3	4.9
SSE	.7	2.0	.7									3.3	4.8
S	.7			1.3								2.0	9.7
SSW	1.3	1.3		1.3	.7							4.7	8.6
SW	1.3											1.3	2.0
WSW													
W	.7	2.0										2.7	4.3
WNW	.7		.7									1.3	6.5
NW		.7										.7	5.0
NNW	.7											.7	2.0
VARBL													
CALM												56.7	
	14.7	21.3	4.0	2.7	.7							100.0	2.2

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

SEP
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3										1.3	5.0
NNE	.7	1.3										2.0	3.3
NE													
ENE	.7	2.0	.7									3.4	4.6
E		4.0	2.7									6.7	6.2
ESE	2.0	6.7	5.4	1.3								15.4	6.7
SE	.7	7.4	6.0	.7								14.8	6.5
SSE	1.3	6.7	6.0	.7								14.8	6.7
S	.7	4.7	4.7	1.3		.7						12.1	8.0
SSW	.7	2.7	2.7	1.3	.7							8.1	8.6
SW		1.3		.7								2.0	7.0
WSW		1.3	1.3	2.0								4.7	10.1
W	.7			2.0								2.7	11.0
WNW	.7		.7									1.3	6.0
NW	.7											.7	2.0
NNW													
VARBL													
CALM												10.1	
	8.7	39.6	30.2	10.1	.7	.7						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

149

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

03104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.8									.8	9.0
NNE		.8	1.7									2.5	7.0
NE		.8										.8	6.0
ENE													
E		2.5	1.7	.8								5.0	7.5
ESE		5.8	3.3									9.1	6.6
SE	1.7	2.5	5.0	.8								9.9	6.8
SSE	.8	6.6	4.1									11.6	6.6
S	1.7	4.1	4.1	2.5	.8							13.2	8.6
SSW		.8	9.1	4.1								14.0	9.9
SW		1.7	.8	1.7								4.1	9.2
WSW		.8	.8	3.3	2.5							7.4	14.0
W			.8	.8	.8							2.5	14.0
WNW		.8	.8									1.7	7.0
NW		.8	1.7									2.5	8.0
NNW	.8	.8										1.7	3.0
VARBL													
CALM												13.2	
	5.0	28.9	34.7	14.0	4.1							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

121

DIRNAVOCEANMET SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-76
YEARS

SEP
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E	1.3	1.3										2.6	3.5
ESE		1.3	2.6		1.3							5.2	10.5
SE	1.3	1.3										2.6	4.0
SSE	5.2	1.3	1.3									7.8	4.2
S	2.6	3.9	1.3									7.8	4.7
SSW	2.6	11.7	3.9	2.6								20.8	6.2
SW	1.3	5.2	7.8	1.3								15.5	7.4
WSW	1.3	10.4	5.2									16.9	5.8
W	1.3	3.9	1.3									6.5	4.8
WNW	1.3	1.3										2.6	3.0
NW		1.3										1.3	4.0
NNW													
VARBL													
CALM												10.4	
	18.2	42.9	23.4	3.9	1.3							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

77

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.6	.2									1.1	4.6
NNE	.3	.6	.3									1.2	4.6
NE	.2	.2										.3	4.0
ENE	.3	1.1	.2									1.5	4.5
E	1.1	2.3	1.1	.2								4.6	5.4
ESE	.9	4.3	2.3	.3	.2							8.0	6.4
SE	.9	3.1	2.6	.3								7.0	6.2
SSE	1.4	3.4	2.5	.2								7.4	6.1
S	1.1	2.5	2.2	1.2	.2	.2						7.3	7.8
SSW	1.2	2.8	3.2	1.7	.3							9.3	7.9
SW	1.1	1.7	1.2	.6								4.6	6.4
WSW	.5	2.2	1.1	1.1	.5							5.3	8.6
W	1.7	.9	.6	.6	.2							4.0	6.2
WNW	1.4	.5	.5									2.3	4.3
NW	.3	.6	.3									1.2	5.1
NNW	.3	.5	.2									.9	4.5
VARBL													
CALM												33.8	
	13.0	27.2	18.4	6.2	1.2	.2						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

647

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6				.6							1.3	10.0
NNE	.6											.6	3.0
NE													
ENE	.6											.6	2.0
E	.6											.6	2.0
ESE													
SE		.6										.6	4.0
SSE	.6											.6	2.0
S	2.6	1.3	1.3									5.2	4.4
SSW	.6		.6	1.9								3.2	10.0
SW	1.3	.6	2.6	.6								5.2	7.6
WSW	1.9	1.3	.6									3.9	3.7
W		.6										.6	4.0
WNW	.6											.6	2.0
NW	.6	.6	.6									1.9	4.7
NNW	1.3	1.9	1.9	.6								5.8	6.3
VARBL													
CALM												68.8	
	12.3	7.1	7.8	3.2	.6							100.0	1.8

TOTAL NUMBER OF OBSERVATIONS

154

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

OCT
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	.6	.6	.6	.6							4.5	7.7
NNE			.6									.6	10.0
NE													
ENE	.6											.6	2.0
E	2.6	1.3										3.9	2.8
ESE		3.9										3.9	4.3
SE	1.3	1.3	.6									3.2	4.8
SSE	.6	.6	1.3	.6								3.2	6.4
S	2.6	.6	.6									3.9	3.5
SSW	.6		1.3	1.3								3.2	9.4
SW	.6		.6	1.3								2.6	10.3
WSW	1.3	1.3	.6	.6	.6							4.5	8.3
W	1.3	.6	.6									2.6	4.5
WNW		1.3										1.3	5.5
NW		.6										.6	6.0
NNW				.6								.6	16.0
VARBL													
CALM												60.6	
	13.5	12.3	7.1	5.2	1.3							100.0	2.5

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3		.6	1.3							3.2	12.6
NNE	1.3	1.3	.6									3.2	4.0
NE			.6									.6	8.0
ENE		1.9										1.9	4.7
E	3.2	3.2	.6									7.1	3.6
ESE	4.5	1.9	3.9	1.3								11.6	5.9
SE	2.6	2.6	2.6									7.7	5.5
SSE	3.9	5.8	3.9	1.3								14.8	6.0
S	.6	2.6	2.6	.6								6.5	7.0
SSW		1.9	2.6	.6								5.2	7.9
SW		.6	1.9	2.6								5.2	11.3
WSW		1.9	1.9	.6		.6						5.2	9.9
W		.6	.6	1.3	.6							3.2	11.8
WNW													
NW	1.3	.6										1.9	3.0
NNW			.6									.6	8.0
VARBL													
CALA												21.9	
	17.4	26.5	22.6	9.0	1.9	.6						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

DCT
MONTH

16
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.6	.8								2.4	11.3
NNE		2.4		.8								3.2	6.8
NE			.8	.8								1.6	10.0
ENE		1.6										1.6	5.0
E		4.0		.8								4.8	6.2
ESE	.8	5.6	3.2	.8								10.5	6.7
SE	4.0	5.6	2.4	3.2								15.3	6.2
SSE	.8	2.4	4.0									7.3	6.8
S		4.0	4.8									8.9	7.5
SSW		2.4	7.2	2.4								12.1	9.1
SW		.8		.8								1.6	8.0
WSW	.8	.8	.8	2.4	1.6	.8						7.3	12.7
W		.8	.8	3.2								4.8	11.0
WNW													
NW													
NNW		1.6										1.6	4.0
VARBL													
CALM												16.9	
	6.5	32.3	25.8	16.1	1.6	.8						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

124

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-76
YEARS

OCT
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.3									1.3	8.0
NNE			2.5									2.5	9.0
NE													
ENE													
E		1.3										1.3	4.0
ESE		1.3	1.3									2.5	6.0
SE													
SSE		2.5										2.5	5.5
S	1.3	3.8	2.5	1.3								8.9	6.7
SSW	3.8	19.0	2.5	3.8								29.1	5.9
SW		7.6	2.5	1.3								11.4	6.4
WSW	2.5	11.4		2.5								16.5	5.4
W	2.5	2.5										5.1	3.3
WNW				1.3								1.3	11.0
NW				1.3								1.3	12.0
NNW			2.5									2.5	7.5
VARBL													
CALM												13.9	
	10.1	49.4	15.2	11.4								100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

79

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION 93104 CHINA LAKE, CALIFORNIA STATION NAME 73-77 YEARS MONTH OCT ALL HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.4	.6	.4	.6							2.7	9.9
NNE	.4	.7	.6	.1								1.9	6.0
NE			.3	.1								.4	9.3
ENE	.3	.7										1.0	4.0
E	1.5	1.9	.1	.1								3.7	4.0
ESE	1.2	2.5	1.6	.4								5.8	5.9
SE	1.6	2.1	1.2	.6								5.5	5.7
SSE	1.3	2.2	1.9	.4								6.0	6.1
S	1.5	2.2	2.2	.3								6.3	6.1
SSW	.7	3.1	2.7	1.8								8.4	7.7
SW	.4	1.3	1.5	1.3								4.6	8.6
WSW	1.2	2.5	.9	1.0	.4	.3						6.4	8.0
W	.6	.9	.4	.9	.1							3.0	8.0
WNW	.1	.3		.1								.6	6.0
NW	.4	.4	.1	.1								1.2	5.1
NNW	.3	.7	.9	.3								2.2	6.9
VARBL													
CALM												39.9	
	12.4	22.5	15.3	8.4	1.2	.3						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 667

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N					.7							.7	17.0
NNE													
NE													
ENE													
E													
ESE		.7										.7	4.0
SE													
SSE													
S	2.1	1.4										3.5	2.8
SSW	4.3	1.4	2.1	.7								8.5	5.3
SW	3.5	.7	2.1	1.4	.7							8.5	7.7
WSW	1.4	3.5										5.0	3.6
W	1.4	1.4	.7									3.5	4.8
WNW													
NW		.7		1.4								2.1	11.3
NNW		.7										.7	5.0
VARBL												66.7	
CALM													
	12.8	10.6	5.0	3.5	1.4							100.0	2.0

TOTAL NUMBER OF OBSERVATIONS

141

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7			.7	.7							4.0	7.0
NNE	1.3											1.3	2.5
NE													
ENE		.7										.7	6.0
E	2.0											2.0	1.7
ESE		.7										.7	4.0
SE		1.3										1.3	4.5
SSE	.7	.7										1.3	3.0
S	1.3											1.3	3.0
SSW	.7		.7	.7	.7							2.7	11.3
SW	.7		.7	.7	.7							2.0	9.7
WSW	.7	.7	.7	1.3								3.3	8.2
W		.7	.7	2.0	.7							3.3	13.6
WNW		1.3										1.3	5.0
NW	.7	.7		.7								2.0	7.3
NNW	.7	1.3		1.3								3.3	6.8
VARBL													
CALA												69.3	
	11.3	7.3	2.7	6.7	2.7							100.0	2.2

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

NDV
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0		.7		.7							3.4	7.6
NNE	.7											.7	2.0
NE	2.7	.7										3.4	3.0
ENE	.7											.7	2.0
E	7.4	2.0	1.3									10.7	3.6
ESE	4.0	2.0		.7								6.7	4.1
SE	2.0	4.7	.7									7.4	4.2
SSE	.7	4.0	1.3	.7								6.7	6.1
S	1.3	2.0		.7								4.0	6.0
SSW	.7		.7	.7								2.0	8.0
SW		.7		.7								1.3	9.0
WSW			1.3	3.4	2.0							6.7	14.8
W	.7		1.3	.7			.7					3.4	12.2
WNW	.7	1.3	1.3									3.4	6.2
NW													
NNW	.7											.7	3.0
VARBL													
CALM												38.9	
	24.2	17.4	8.7	7.4	2.7		.7					100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

149

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

NOV
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7			.7	1.4							2.6	12.5
NNE	1.4											1.4	2.5
NE	2.1											2.1	2.7
ENE	2.1	2.8	.7									5.6	4.1
E	5.6	4.9	1.4									11.9	4.2
ESE	.7	2.1	2.1									4.9	6.0
SE	1.4	5.6	1.4									8.4	4.9
SSE	2.8	2.1	.7	.7								5.6	4.4
S		.7	2.8	.7								4.2	7.5
SSW		1.4	1.4	4.2	.7							7.7	10.5
SW		.7	.7	2.8	.7							4.9	12.6
WSW		.7		.7	1.4	1.4						4.2	17.7
W			2.1	2.8								4.9	11.9
WNW	1.4											1.4	2.5
NW		.7		.7								1.4	9.5
NNW	.7	.7		.7								2.1	6.0
VARBL													
CALM												26.6	
	18.9	22.4	12.6	14.0	4.2	1.4						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

143

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.1									1.1	10.0
NNE													
NE													
ENE													
E													
ESE													
SE		1.1										1.1	4.0
SSE		2.2	1.1									3.3	5.0
S	2.2	2.2	2.2	1.1								5.6	6.6
SSW	5.6	7.8	2.2	2.2								17.8	5.8
SW	8.9	7.8	3.3	3.3	2.2							25.6	6.6
WSW	7.8	7.8	1.1	1.1	1.1							18.9	5.2
W	2.2	3.3	1.1		1.1							7.8	6.3
WNW	1.1											1.1	2.0
NW	1.1			2.2								3.3	10.3
NNW													
VARBL													
CALM												14.4	
	28.9	30.0	12.2	10.0	4.4							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

90

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

NDV
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2		.3	.3	.7							2.5	9.2
NNE	.7											.7	2.4
NE	1.0	.1										1.2	2.9
ENE	.6	.7	.1									1.5	4.1
E	3.3	1.5	.6									5.3	3.7
ESE	1.0	1.2	.4	.1								2.8	4.8
SE	.7	2.7	.4									3.9	4.5
SSE	.9	1.8	.4	.3								3.4	5.1
S	1.3	.9	.9	.4								3.6	5.6
SSW	1.9	1.6	1.3	1.6	.3							6.8	7.4
SW	2.1	1.5	1.2	1.5	.7							7.0	8.1
WSW	1.5	2.1	.6	1.3	.9	.3						6.7	9.1
W	.7	.7	1.2	1.2	.3		.1					4.3	9.7
WNW	.6	.6	.3									1.5	4.8
NW	.3	.4		.9								1.6	9.6
NNW	.4	.6		.4								1.5	6.0
VARBL													
CALM												45.6	
	18.4	16.5	7.9	8.2	3.0	.3	.1					100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

673

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7		.7								1.4	10.0
NNE			.7									.7	7.0
NE			.7									.7	10.0
ENE													
E													
ESE													
SE													
SSE		1.4										1.4	5.0
S	.7	1.4	.7	.7								3.6	6.6
SSW	2.9	.7	.7									4.3	3.8
SW		2.1		.7								2.9	6.8
WSW	2.1	.7	.7									3.6	4.0
W		1.4										1.4	4.0
WNW	.7											.7	3.0
NW			.7									.7	7.0
NNW	1.4											1.4	2.5
VARBL													
CALM												77.1	
	7.9	8.6	4.3	2.1								100.0	1.2

TOTAL NUMBER OF OBSERVATIONS

140

DIRNAVOCEANMET SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

5702

5702 SURFACE WINDS JAN 78

11000

11000

STATION 93104 CHINA LAKE, CALIFORNIA STATION NAME YEARS 73-77 MONTH DEC HOUR (L.S.T.) 10

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	1.3		1.3	.6							5.8	7.2
NNE	3.2			.6					.6			4.5	9.4
NE													
ENE	.6											.6	2.0
E	.6	.6										1.3	3.5
ESE	.6	.6										1.3	3.5
SE			.6									.6	10.0
SSE		.6										.6	4.0
S	.6											.6	2.0
SSW	.6	1.3	1.9	.6								4.5	7.4
SW				1.3								1.3	14.5
WSW	.6			.6			.6					1.3	6.5
W	.6											1.3	16.0
WNW	.6	.6										1.3	3.0
NW													
NNW	1.9	.6	1.9									4.5	5.7
VARBL													
CALM												70.1	
	13.0	5.8	4.5	4.5	.6		.6		.6			100.0	2.2

TOTAL NUMBER OF OBSERVATIONS

154

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEAR

DEC
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.7	1.3									3.4	5.0
NNE	3.4	.7		.7								4.7	3.9
NE	1.3	1.3										2.7	3.3
ENE	2.0	2.0										4.0	3.0
E	4.7	.7	.7									6.0	3.4
ESE	2.7	2.0	.7									5.4	4.3
SE	3.4	1.3	.7									5.4	4.1
SSE		3.4	.7									4.0	5.3
S	.7	.7	.7	.7								1.3	9.5
SSW	.7	.7	.7	1.3								3.4	8.8
SW		.7	.7	1.3								2.0	12.0
WSW			.7	1.3		.7						2.7	16.0
W				.7			.7					1.3	22.0
WNW													
NW													
NNW	1.3	.7										2.0	3.3
VARBL													
CALM												51.7	
	20.8	13.4	6.7	6.0		.7	.7					100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

149

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	2.1										4.9	3.0
NNE	2.8	.7		1.4								4.9	5.3
NE	.7	.7										1.4	4.0
ENE	2.1	1.4										3.5	3.4
E		2.8										2.8	5.3
ESE	1.4	2.8	2.8									7.0	5.7
SE	.7	2.8	3.5									7.0	6.3
SSE	.7	.7										1.4	3.0
S	2.1	1.4	.7	.7								4.9	5.6
SSW			.7	1.4	.7							2.8	14.8
SW			.7		1.4							2.1	16.7
WSW			1.4	1.4								2.8	12.3
W				1.4		.7						2.1	16.7
WNW													
NW	1.4	.7										2.1	2.3
NNW			.7		.7							1.4	13.0
VARBL													
CALM												48.6	
	14.8	16.2	10.6	6.3	2.8	.7						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

142

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				1.2								1.2	12.0
NNE	1.2											1.2	2.0
NE		1.2										1.2	5.0
ENE													
E													
ESE				1.2								1.2	12.0
SE													
SSE	1.2			1.2								2.4	7.5
S	1.2											1.2	2.0
SSW	2.4	9.6	2.4	2.4								16.9	5.8
SW	9.6	10.8		1.2								21.7	3.9
WSW	6.0	8.4	1.2									15.7	4.0
W	3.6	6.0										9.6	4.0
WNW			1.2	1.2								2.4	11.0
NW													
NNW		1.2	1.2									2.4	6.5
VARBL													
CALM												22.9	
	25.3	37.3	6.0	8.4								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

83

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA

73-77

YEARS

DEC
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.0	.3	.6	.1							3.6	6.0
NNE	2.2	.3	.1	.6								3.4	6.0
NE	.4	.6	.1						.1			1.2	4.5
ENE	1.0	.7										1.8	3.1
E	1.2	.9	.1									2.2	3.9
ESE	1.0	1.2	.7	.1								3.1	5.2
SE	.9	.9	1.0									2.8	5.6
SSE	.3	1.3	.1	.1								1.9	5.2
S	.9	.6	.4	.4								2.4	5.9
SSW	1.2	1.8	1.2	1.0	.1							5.4	7.2
SW	1.2	1.8	.3	.9	.3							4.5	7.1
WSW	1.3	1.2	.7	.7		.1						4.2	7.2
W	.6	1.0		.4		.1	.3					2.3	9.8
WNW	.3	.1	.1	.1								.7	6.2
NW	.3	.1	.1									.6	3.5
NNW	1.0	.4	.7		.1							2.4	5.9
VARBL													
CALM												57.0	
	15.6	14.2	6.4	5.2	.7	.3	.3		.1			100.0	2.6

TOTAL NUMBER OF OBSERVATIONS

608

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

ALL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.5	.3	.4	.2	.0						2.2	7.8
NNE	.7	.5	.3	.3	.1				.0			1.9	6.9
NE	.5	.3	.1	.1	.0							1.0	4.9
ENE	.6	.7	.1	.0								1.3	4.1
E	1.3	1.4	.5	.1	.0							3.4	4.9
ESE	1.1	2.1	1.3	.4	.0	.0						5.0	6.0
SE	.9	2.1	1.4	.2								4.6	5.8
SSE	1.1	2.4	1.7	.3	.0							5.6	6.1
S	1.3	2.1	2.2	1.2	.2	.0						6.9	7.5
SSW	1.2	2.4	3.3	2.7	.3	.0						10.0	8.7
SW	.8	1.4	1.9	2.0	.3	.1						6.3	9.3
WSW	1.1	2.0	1.6	1.8	.5	.2	.0					7.4	9.1
W	.9	1.3	1.2	1.4	.4	.1	.1	.0				5.5	9.6
WNW	.5	.7	.6	.3	.1	.0						2.3	7.5
NW	.3	.5	.3	.3	.1	.0						1.4	7.7
NNW	.5	.7	.5	.4	.1	.0						2.2	7.5
VARBL													
CALM												32.8	
	13.4	21.0	17.6	11.9	2.5	.7	.1	.0	.0			100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

8077

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

03104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77
YEARS

ALL
MONTH

INSTRUMENT

CLASS

CIG 200 TO 1400 FT W/VSBY 1/2 MI OR MORE,

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

ALL
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				2.1		2.1						4.3	17.0
NNE			2.1									2.1	8.0
NE													
ENE			2.1									2.1	8.0
E		4.3										4.3	6.0
ESE						2.1						2.1	25.0
SE													
SSE	4.3											4.3	3.0
S		6.4	2.1									8.5	5.8
SSW													
SW		2.1										2.1	4.0
WSW		2.1	2.1									4.3	5.5
W	2.1						2.1					4.3	17.0
WNW			2.1									2.1	10.0
NW	4.3	2.1			2.1							8.5	7.0
NNW	2.1	8.5	4.3	4.3		2.1						21.3	9.2
VARBL													
CALM												29.8	
	12.8	25.5	14.9	6.4	2.1	6.4	2.1					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

47

NWSD, Federal Building
Asheville, N. C.

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 5/16
NO CEILING													
≥ 1800													
≥ 1500					91.0								92.6
≥ 1200													
≥ 1000													
≥ 900													
≥ 800													
≥ 700													
≥ 600													
≥ 500										97.4			98.1
≥ 400													
≥ 300													
≥ 200													
≥ 100													
0					95.4		96.9			98.3			100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
 For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.

Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
 Visibility ≥ 3 miles = 95.4%.
 Visibility ≥ 2 miles = 96.9%.
 Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													≥ 0
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	73.7	73.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 20000	82.2	82.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 18000	83.6	83.6	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 16000	83.6	83.6	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 14000	86.8	86.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 12000	89.5	89.5	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 10000	90.1	90.1	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 9000	90.1	90.1	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 8000	90.8	90.8	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 7000	91.5	91.5	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 6000	92.1	92.1	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 5000	92.8	92.8	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 4500	92.8	92.8	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 4000	93.4	93.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 3500	93.4	93.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 3000	94.7	94.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2500	94.7	94.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000	94.7	94.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	94.7	94.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	94.7	94.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1200	94.7	94.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	94.7	94.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	94.7	94.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	94.7	94.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	94.7	94.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	94.7	94.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	94.7	94.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	94.7	94.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	94.7	94.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200	94.7	94.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 100	94.7	94.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
0	94.7	94.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

132

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

JAN
MONTH

10
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 20000	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 18000	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 16000	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 14000	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 12000	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 10000	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 9000	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 8000	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 7000	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 6000	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 5000	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 4500	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 4000	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 3500	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 3000	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2500	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1200	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 400	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 300	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 200	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 100	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
0	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	73.6	73.6	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 20000	82.6	82.6	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 18000	83.2	83.2	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 16000	84.5	84.5	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 14000	88.4	88.4	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 12000	88.4	89.0	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 10000	89.7	90.3	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 9000	89.7	90.3	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 8000	91.0	91.6	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 7000	91.0	91.6	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 6000	92.3	92.9	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 5000	92.9	93.6	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 4500	92.9	93.6	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 4000	94.2	94.8	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 3500	94.2	95.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 3000	94.2	95.5	96.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2500	94.2	95.5	96.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000	94.2	96.1	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800	94.2	96.1	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500	94.2	96.1	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	94.2	96.1	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000	94.2	96.8	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	94.2	96.8	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	94.2	96.8	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	94.2	96.8	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	94.2	96.8	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	94.2	96.8	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	94.2	96.8	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	94.2	96.8	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	94.2	96.8	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	94.2	96.8	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	94.2	96.8	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

JAN
MONTH

16
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 20000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 18000	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 16000	87.0	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 14000	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 12000	89.7	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 10000	90.4	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 9000	90.4	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 8000	91.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 7000	91.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 6000	93.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 5000	93.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 4500	94.5	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 4000	94.5	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 3500	94.5	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 3000	94.5	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 2500	94.5	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 2000	94.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1800	94.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1500	94.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1200	94.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1000	94.5	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900	94.5	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 800	94.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	94.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	94.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	94.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	94.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	94.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200	94.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 100	94.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
0	94.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

146

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

19
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 20000	83.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 18000	83.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 16000	84.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 14000	86.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 12000	88.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 10000	89.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 9000	89.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 8000	91.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 7000	91.2	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 6000	92.2	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 5000	93.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 4500	93.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 4000	94.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 3500	94.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 3000	94.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 2500	94.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 2000	94.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1800	94.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1500	94.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1200	94.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1000	94.1	97.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900	94.1	97.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800	94.1	97.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	94.1	97.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	94.1	97.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500	94.1	97.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	94.1	97.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300	94.1	97.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 200	94.1	97.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 100	94.1	97.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 0	94.1	97.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 102

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

CHINA LAKE, CALIFORNIA

STATION NAME

YEARS

JAN
MONTH

22

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0
NO CEILING	73.5	73.7	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 20000	83.8	84.1	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.9	84.9	84.9	84.9
≥ 18000	84.5	84.8	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.6	85.6	85.6	85.6
≥ 16000	85.1	85.5	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3
≥ 14000	87.5	87.9	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.7	88.7	88.7	88.7
≥ 12000	88.9	89.4	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.4	90.4	90.4	90.4
≥ 10000	89.7	90.3	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.3	91.3	91.3	91.3
≥ 9000	89.7	90.3	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.3	91.3	91.3	91.3
≥ 8000	90.9	91.6	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.5	92.5	92.5	92.5
≥ 7000	91.1	92.1	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.1	93.1
≥ 6000	92.3	93.2	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2
≥ 5000	93.0	93.9	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.9	94.9	94.9	94.9
≥ 4500	93.0	93.9	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.9	94.9	94.9	94.9
≥ 4000	94.1	95.2	95.9	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.3	96.3	96.3	96.3
≥ 3500	94.2	95.6	96.3	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.8	96.8	96.8	96.8
≥ 3000	94.5	96.1	96.8	96.9	97.2	97.3	97.3	97.3	97.3	97.3	97.5	97.5	97.5	97.5
≥ 2500	94.5	96.1	96.8	96.9	97.2	97.3	97.3	97.3	97.3	97.3	97.5	97.5	97.5	97.5
≥ 2000	94.5	96.3	97.0	97.2	97.5	97.6	97.6	97.6	97.6	97.6	97.8	97.8	97.8	97.8
≥ 1800	94.5	96.3	97.0	97.2	97.5	97.6	97.6	97.6	97.6	97.6	97.8	97.8	97.8	97.8
≥ 1500	94.5	96.3	97.0	97.2	97.5	97.6	97.6	97.6	97.6	97.6	97.8	97.8	97.8	97.8
≥ 1200	94.5	96.3	97.0	97.2	97.5	97.6	97.6	97.6	97.6	97.6	97.8	97.8	97.8	97.8
≥ 1000	94.5	96.6	97.8	97.9	98.2	98.3	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6
≥ 900	94.5	96.6	97.8	97.9	98.2	98.3	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6
≥ 800	94.5	96.8	97.9	98.0	98.3	98.5	98.6	98.7	98.7	98.7	99.0	99.0	99.0	99.0
≥ 700	94.5	96.8	97.9	98.0	98.3	98.5	98.6	98.7	98.7	98.7	99.0	99.0	99.0	99.0
≥ 600	94.5	96.8	97.9	98.0	98.5	98.6	98.7	98.9	98.9	98.9	99.2	99.2	99.2	99.2
≥ 500	94.5	96.8	97.9	98.0	98.6	98.7	98.9	99.0	99.0	99.0	99.3	99.3	99.3	99.3
≥ 400	94.5	96.8	97.9	98.0	98.6	98.7	98.9	99.0	99.0	99.0	99.4	99.4	99.4	99.4
≥ 300	94.5	96.8	97.9	98.0	98.6	98.7	98.9	99.0	99.0	99.0	99.4	99.4	99.4	99.4
≥ 200	94.5	96.8	97.9	98.0	98.6	98.7	98.9	99.0	99.0	99.0	99.4	99.4	99.4	99.4
≥ 100	94.5	96.8	97.9	98.0	98.6	98.7	98.9	99.0	99.0	99.0	99.4	99.4	99.4	99.4
≥ 0	94.5	96.8	97.9	98.0	98.6	98.7	98.9	99.0	99.0	99.0	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

710

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

YEARS

FEB
MONTH

01
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	NO CEILING	≥ 20000	18000	16000	14000	12000	10000	9000	8000	7000	6000	5000
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0
NO CEILING	75.9	75.9	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 20000	81.6	81.6	82.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 18000	82.3	82.3	83.0	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 16000	83.7	83.7	84.4	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 14000	86.5	86.5	87.2	87.2	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 12000	87.9	87.9	88.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 10000	88.7	88.7	89.4	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 9000	88.7	88.7	89.4	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 8000	88.7	88.7	89.4	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 7000	88.7	88.7	89.4	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 6000	90.8	90.8	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 5000	92.9	92.9	93.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 4500	92.9	92.9	93.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 4000	93.6	93.6	95.0	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 3500	93.6	94.3	95.7	95.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 3000	95.0	95.7	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 2500	95.0	95.7	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 2000	95.0	96.5	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1800	95.0	96.5	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	95.0	96.5	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	95.0	96.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	95.0	96.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	95.0	96.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	95.0	96.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	95.0	96.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	95.0	96.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	95.0	96.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	95.0	96.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	95.0	96.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	95.0	96.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	95.0	96.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	95.0	96.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	73.8	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 20000	83.7	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 18000	83.7	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 16000	85.1	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 14000	86.5	87.2	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 12000	87.2	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 10000	89.4	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 9000	89.4	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 8000	89.4	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 7000	89.4	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 6000	92.2	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 5000	93.6	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 4500	93.6	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 4000	94.3	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 3500	94.3	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 3000	96.5	97.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 2500	96.5	97.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 2000	97.9	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	97.9	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	97.9	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	97.9	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	97.9	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	97.9	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	97.9	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	97.9	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	97.9	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	97.9	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	97.9	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	97.9	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.9	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.9	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.9	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

FEB
MONTH

13
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	69.5	70.2	70.9	70.9	70.9	70.9	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 20000	80.1	80.9	81.6	81.6	81.6	81.6	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 18000	81.6	82.3	83.0	83.0	83.0	83.0	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 16000	81.6	82.3	83.0	83.0	83.0	83.0	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 14000	83.7	84.4	85.8	85.8	85.8	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 12000	87.2	87.9	89.4	89.4	89.4	89.4	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 10000	87.2	87.9	89.4	89.4	89.4	89.4	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 9000	87.2	87.9	89.4	89.4	89.4	89.4	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 8000	87.9	88.7	90.1	90.1	90.1	90.1	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 7000	88.7	89.4	90.8	90.8	90.8	90.8	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 6000	91.5	92.2	93.6	93.6	93.6	93.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 5000	91.5	92.2	93.6	93.6	93.6	93.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 4500	91.5	92.2	93.6	93.6	93.6	93.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 4000	93.6	95.0	96.5	96.5	96.5	96.5	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 3500	93.6	95.0	96.5	96.5	96.5	96.5	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 3000	95.0	96.5	97.9	97.9	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 2500	95.0	96.5	97.9	97.9	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 2000	95.7	97.2	98.6	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1800	95.7	97.2	98.6	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	95.7	97.2	98.6	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	95.7	97.2	98.6	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	95.7	97.2	98.6	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	95.7	97.2	98.6	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	95.7	97.2	98.6	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	95.7	97.2	98.6	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	95.7	97.2	98.6	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	95.7	97.2	98.6	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	95.7	97.2	98.6	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	95.7	97.2	98.6	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	95.7	97.2	98.6	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	95.7	97.2	98.6	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	95.7	97.2	98.6	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3

141

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	68.2	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 20000	78.8	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 18000	79.6	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 16000	79.6	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 14000	82.6	83.3	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 12000	87.9	88.6	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 10000	87.9	88.6	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 9000	87.9	88.6	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 8000	89.4	90.2	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 7000	90.2	90.9	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 6000	91.7	92.4	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 5000	93.2	93.9	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 4500	93.2	93.9	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 4000	95.5	96.2	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 3500	96.2	97.7	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 3000	96.2	97.7	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 2500	97.0	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 2000	97.0	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1800	97.0	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1500	97.0	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1200	97.0	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	97.0	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900	97.0	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	97.0	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	97.0	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	97.0	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	97.0	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	97.0	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	97.0	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200	97.0	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 100	97.0	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 0	97.0	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS

132

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

FEB
MONTH

19
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 20000	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 18000	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 16000	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 14000	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 12000	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 10000	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 9000	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 8000	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 7000	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 6000	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 5000	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 4500	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 4000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 3500	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

89

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION
93104

CHINA LAKE, CALIFORNIA

73-77

STATION NAME

YEARS

MONTH
FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)
ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	73.1	73.6	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 20000	81.5	82.0	82.5	82.5	82.6	82.6	82.6	82.6	82.8	82.8	82.8	82.8	82.8	82.8
≥ 18000	82.1	82.6	83.1	83.1	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 16000	82.8	83.2	83.7	83.7	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 14000	83.4	83.9	84.4	84.4	84.6	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 12000	84.2	84.7	85.2	85.2	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 10000	85.0	85.4	85.9	85.9	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 9000	85.6	86.0	86.5	86.5	86.7	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
8000	86.2	86.6	87.1	87.1	87.3	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
7000	86.8	87.2	87.7	87.7	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
6000	87.4	87.8	88.3	88.3	88.5	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
5000	88.0	88.4	88.9	88.9	89.1	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
4500	88.6	89.0	89.5	89.5	89.7	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
4000	89.2	89.6	90.1	90.1	90.3	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
3500	89.8	90.2	90.7	90.7	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
3000	90.4	90.8	91.3	91.3	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
2500	91.0	91.4	91.9	91.9	92.1	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
2000	91.6	92.0	92.5	92.5	92.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
1800	92.2	92.6	93.1	93.1	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
1500	92.8	93.2	93.7	93.7	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
1200	93.4	93.8	94.3	94.3	94.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
1000	94.0	94.4	94.9	94.9	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
900	94.6	95.0	95.5	95.5	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
800	95.2	95.6	96.1	96.1	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
700	95.8	96.2	96.7	96.7	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
600	96.4	96.8	97.3	97.3	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
500	97.0	97.4	97.9	97.9	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
400	97.6	98.0	98.5	98.5	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
300	98.2	98.6	99.1	99.1	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
200	98.8	99.2	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

644

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

CHINA LAKE, CALIFORNIA

STATION NAME

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼
NO CEILING													≥ 0
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

CHINA LAKE, CALIFORNIA

STATION NAME

YEARS

MONTH

04

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														≥ 0
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	71.9	71.9	72.6	72.6	72.6	72.6	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 20000	79.1	79.1	79.7	79.7	79.7	79.7	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 18000	79.1	79.1	79.7	79.7	79.7	79.7	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 16000	81.7	81.7	82.4	82.4	82.4	82.4	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 14000	82.4	82.4	83.0	83.0	83.0	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 12000	85.0	85.0	85.6	85.6	85.6	85.6	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 10000	86.9	86.9	87.6	87.6	87.6	87.6	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 9000	87.6	87.6	88.2	88.2	88.2	88.2	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 8000	90.2	90.9	91.5	91.5	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 7000	90.2	90.9	91.5	91.5	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 6000	92.2	92.8	93.5	93.5	93.5	93.5	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 5000	94.8	95.4	96.1	96.1	96.1	96.1	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 4500	94.8	95.4	96.1	96.1	96.1	96.1	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 4000	96.1	96.7	97.4	97.4	97.4	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 3500	96.1	96.7	97.4	97.4	97.4	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 3000	96.7	97.4	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2500	96.7	97.4	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2000	96.7	97.4	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	96.7	97.4	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	96.7	97.4	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	96.7	97.4	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	96.7	97.4	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	96.7	97.4	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	96.7	97.4	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	96.7	97.4	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	96.7	97.4	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	96.7	97.4	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	96.7	97.4	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	96.7	97.4	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	96.7	97.4	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	96.7	97.4	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	96.7	97.4	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

153

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION 93104 CHINA LAKE, CALIFORNIA 73-77 MAR MONTH 10 HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0
NO CEILING	73.9	73.9	73.9	74.5	74.5	74.5	74.5	74.5	74.5	75.2	75.2	75.2	75.2	75.2
≥ 20000	53.7	83.7	83.7	84.3	84.3	84.3	84.3	84.3	84.3	85.0	85.0	85.0	85.0	85.0
≥ 18000	83.7	83.7	83.7	84.3	84.3	84.3	84.3	84.3	84.3	85.0	85.0	85.0	85.0	85.0
≥ 16000	85.0	85.0	85.0	85.6	85.6	85.6	85.6	85.6	85.6	86.3	86.3	86.3	86.3	86.3
≥ 14000	87.6	87.6	87.6	88.2	88.2	88.2	88.2	88.2	88.2	88.9	88.9	88.9	88.9	88.9
≥ 12000	89.5	89.5	89.5	90.2	90.2	90.2	90.2	90.2	90.2	90.9	90.9	90.9	90.9	90.9
≥ 10000	91.5	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.8	92.8	92.8	92.8	92.8
≥ 9000	92.2	92.2	92.2	92.8	92.8	92.8	92.8	92.8	92.8	93.5	93.5	93.5	93.5	93.5
≥ 8000	93.5	93.5	93.5	94.1	94.1	94.1	94.1	94.1	94.1	94.8	94.8	94.8	94.8	94.8
≥ 7000	93.5	93.5	93.5	94.1	94.1	94.1	94.1	94.1	94.1	94.8	94.8	94.8	94.8	94.8
≥ 6000	94.1	94.1	94.1	94.8	94.8	94.8	94.8	94.8	94.8	95.4	95.4	95.4	95.4	95.4
≥ 5000	96.1	96.7	96.7	97.4	97.4	97.4	97.4	97.4	97.4	98.0	98.0	98.0	98.0	98.0
≥ 4500	96.1	96.7	96.7	97.4	97.4	97.4	97.4	97.4	97.4	98.0	98.0	98.0	98.0	98.0
≥ 4000	96.7	97.4	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7
≥ 3500	96.7	97.4	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7
≥ 3000	96.7	97.4	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7
≥ 2500	96.7	97.4	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7
≥ 2000	96.7	97.4	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7
≥ 1800	96.7	97.4	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7
≥ 1500	96.7	97.4	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7
≥ 1200	96.7	97.4	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7
≥ 1000	96.7	97.4	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7
≥ 900	96.7	97.4	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7
≥ 800	96.7	97.4	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7
≥ 700	96.7	97.4	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7
≥ 600	96.7	97.4	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7
≥ 500	96.7	97.4	97.4	98.0	98.0	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4
≥ 400	96.7	97.4	97.4	98.0	98.0	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4
≥ 300	96.7	97.4	97.4	98.0	98.0	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4
≥ 200	96.7	97.4	97.4	98.0	98.0	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4
≥ 100	96.7	97.4	97.4	98.0	98.0	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4
≥ 0	96.7	97.4	97.4	98.0	98.0	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 153

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	
NO CEILING	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.9	71.9	71.9	71.9	71.9	71.9	71.9	
≥ 20000	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	
≥ 18000	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	
≥ 16000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	82.4	82.4	82.4	82.4	82.4	82.4	82.4	
≥ 14000	84.3	84.3	84.3	84.3	84.3	84.3	84.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	
≥ 12000	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.9	88.9	88.9	88.9	88.9	88.9	88.9	
≥ 10000	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	
≥ 9000	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	
≥ 8000	91.5	91.5	91.5	91.5	91.5	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	
≥ 7000	91.5	91.5	91.5	91.5	91.5	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	
≥ 6000	94.1	94.8	94.8	94.8	94.8	94.8	94.8	95.4	95.4	95.4	95.4	95.4	95.4	95.4	
≥ 5000	94.1	94.8	94.8	94.8	94.8	94.8	94.8	95.4	95.4	95.4	95.4	95.4	95.4	95.4	
≥ 4500	94.1	94.8	94.8	94.8	94.8	94.8	94.8	95.4	95.4	95.4	95.4	95.4	95.4	95.4	
≥ 4000	96.7	97.4	97.4	97.4	97.4	97.4	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	
≥ 3500	96.7	97.4	97.4	97.4	97.4	97.4	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	
≥ 3000	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	
≥ 2500	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	
≥ 2000	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	
≥ 1800	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	
≥ 1500	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	
≥ 1200	98.0	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
≥ 1000	98.0	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
≥ 900	98.0	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
≥ 800	98.0	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
≥ 700	98.0	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
≥ 600	98.0	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
≥ 500	98.0	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
≥ 400	98.0	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
≥ 300	98.0	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
≥ 200	98.0	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
≥ 100	98.0	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
≥ 0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	

TOTAL NUMBER OF OBSERVATIONS

153

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

MAP.
MONTH

16
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.7	71.7	71.7	71.7	71.7
≥ 20000	79.0	79.0	79.7	79.7	79.7	79.7	80.4	80.4	80.4	80.4	80.4	80.4
≥ 18000	79.0	79.0	79.7	79.7	79.7	79.7	80.4	80.4	80.4	80.4	80.4	80.4
≥ 16000	81.2	81.2	81.9	81.9	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6
≥ 14000	84.1	84.1	84.8	84.8	84.8	84.8	85.5	85.5	85.5	85.5	85.5	85.5
≥ 12000	87.0	87.0	87.7	87.7	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4
≥ 10000	87.7	87.7	88.4	88.4	88.4	88.4	89.1	89.1	89.1	89.1	89.1	89.1
≥ 9000	88.4	88.4	89.1	89.1	89.1	89.1	89.9	89.9	89.9	89.9	89.9	89.9
≥ 8000	92.0	92.0	92.8	92.8	92.8	92.8	93.5	93.5	93.5	93.5	93.5	93.5
≥ 7000	92.0	92.0	92.8	92.8	92.8	92.8	93.5	93.5	93.5	93.5	93.5	93.5
≥ 6000	95.7	95.7	96.4	96.4	96.4	96.4	97.1	97.1	97.1	97.1	97.1	97.1
≥ 5000	97.1	97.1	97.8	97.8	97.8	97.8	98.6	98.6	98.6	98.6	98.6	98.6
≥ 4500	97.1	97.1	97.8	97.8	97.8	97.8	98.6	98.6	98.6	98.6	98.6	98.6
≥ 4000	97.8	97.8	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3500	97.8	97.8	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3000	98.6	98.6	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	98.6	98.6	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	98.6	98.6	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	98.6	98.6	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	98.6	98.6	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.6	98.6	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.6	98.6	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.6	98.6	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.6	98.6	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.6	98.6	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.6	98.6	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.6	98.6	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.6	98.6	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.6	98.6	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.6	98.6	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.6	98.6	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
0	98.6	98.6	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

138

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	70.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 20000	80.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 18000	80.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 16000	80.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 14000	86.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 12000	89.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 10000	90.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 9000	90.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 8000	92.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 7000	93.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 6000	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 5000	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 4500	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 4000	98.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 3500	98.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 3000	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

101

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

CHINA LAKE, CALIFORNIA

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

NAR
MONTH
ALL
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	71.6	71.8	72.1	72.2	72.2	72.2	72.2	72.5	72.6	72.8	72.8	72.8	72.8	72.8
≥ 20000	80.7	80.8	81.1	81.2	81.2	81.2	81.2	81.5	81.7	81.8	81.8	81.8	81.8	81.8
≥ 18000	80.7	80.8	81.1	81.2	81.2	81.2	81.2	81.5	81.7	81.8	81.8	81.8	81.8	81.8
≥ 16000	82.1	82.2	82.5	82.7	82.7	82.7	82.7	83.0	83.1	83.2	83.2	83.2	83.2	83.2
≥ 14000	84.8	85.0	85.2	85.4	85.4	85.4	85.4	85.7	85.8	86.0	86.0	86.0	86.0	86.0
≥ 12000	87.7	87.8	88.1	88.3	88.3	88.3	88.3	88.5	88.7	88.8	88.8	88.8	88.8	88.8
≥ 10000	89.0	89.1	89.4	89.5	89.5	89.5	89.5	89.8	90.0	90.1	90.1	90.1	90.1	90.1
≥ 9000	89.4	89.5	89.8	90.0	90.0	90.0	90.0	90.4	90.4	90.5	90.5	90.5	90.5	90.5
≥ 8000	91.8	92.1	92.4	92.6	92.6	92.6	92.6	92.8	93.0	93.1	93.1	93.1	93.1	93.1
≥ 7000	92.0	92.3	92.6	92.7	92.7	92.7	92.7	93.0	93.1	93.3	93.3	93.3	93.3	93.3
≥ 6000	94.3	94.7	95.0	95.1	95.1	95.1	95.1	95.4	95.6	95.7	95.7	95.7	95.7	95.7
≥ 5000	95.7	96.3	96.6	96.7	96.7	96.7	96.7	97.0	97.1	97.3	97.3	97.3	97.3	97.3
≥ 4500	95.7	96.3	96.6	96.7	96.7	96.7	96.7	97.0	97.1	97.3	97.3	97.3	97.3	97.3
≥ 4000	97.0	97.6	97.9	98.0	98.0	98.0	98.0	98.3	98.4	98.6	98.6	98.6	98.6	98.6
≥ 3500	97.0	97.6	97.9	98.0	98.0	98.0	98.0	98.3	98.4	98.6	98.6	98.6	98.6	98.6
≥ 3000	97.6	98.1	98.4	98.6	98.6	98.6	98.6	98.9	99.0	99.1	99.1	99.1	99.1	99.1
≥ 2500	97.6	98.1	98.4	98.6	98.6	98.6	98.6	98.9	99.0	99.1	99.1	99.1	99.1	99.1
≥ 2000	97.6	98.1	98.4	98.6	98.6	98.6	98.6	98.9	99.0	99.1	99.1	99.1	99.1	99.1
≥ 1800	97.6	98.1	98.4	98.6	98.6	98.6	98.6	98.9	99.0	99.1	99.1	99.1	99.1	99.1
≥ 1500	97.6	98.1	98.4	98.6	98.6	98.6	98.6	98.9	99.0	99.1	99.1	99.1	99.1	99.1
≥ 1200	97.7	98.3	98.6	98.7	98.7	98.7	98.7	99.0	99.1	99.3	99.3	99.3	99.3	99.3
≥ 1000	97.7	98.3	98.6	98.7	98.7	98.7	98.7	99.0	99.1	99.3	99.3	99.3	99.3	99.3
≥ 900	97.7	98.3	98.6	98.7	98.7	98.7	98.7	99.0	99.1	99.3	99.3	99.3	99.3	99.3
≥ 800	97.7	98.3	98.6	98.7	98.7	98.7	98.7	99.0	99.1	99.3	99.3	99.3	99.3	99.3
≥ 700	97.7	98.3	98.6	98.7	98.7	98.7	98.7	99.0	99.1	99.3	99.3	99.3	99.3	99.3
≥ 600	97.7	98.3	98.6	98.7	98.7	98.7	98.7	99.0	99.1	99.3	99.3	99.3	99.3	99.3
≥ 500	97.7	98.3	98.6	98.7	98.7	98.7	98.7	99.0	99.4	99.6	99.6	99.6	99.6	99.6
≥ 400	97.7	98.3	98.6	98.7	98.7	98.7	98.7	99.0	99.4	99.6	99.6	99.6	99.6	99.6
≥ 300	97.7	98.3	98.6	98.7	98.7	98.7	98.7	99.0	99.4	99.6	99.6	99.6	99.6	99.6
≥ 200	97.7	98.3	98.6	98.7	98.7	98.7	98.7	99.0	99.4	99.6	99.6	99.6	99.6	99.6
≥ 100	97.7	98.3	98.6	98.7	98.7	98.7	98.7	99.0	99.4	99.6	99.6	99.6	99.6	99.6
≥ 0	97.7	98.3	98.6	98.7	98.7	98.7	98.7	99.0	99.4	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS

698

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	NO CEILING	≥ 20000	18000	16000	14000	12000	10000	9000	8000	7000	6000	5000	4500
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

5703 CEILING VERSUS VISIBILITY JAN 78

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 20000	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 18000	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 16000	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 14000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 12000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 10000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 9000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 8000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 7000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	84.0	84.7	84.7	84.7	84.7	84.7	84.7	85.3	85.3	85.3	85.3	85.3
≥ 20000	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.7	92.7	92.7	92.7	92.7
≥ 18000	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.7	92.7	92.7	92.7	92.7
≥ 16000	92.0	92.7	92.7	92.7	92.7	92.7	92.7	93.3	93.3	93.3	93.3	93.3
≥ 14000	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.7	94.7	94.7	94.7	94.7
≥ 12000	94.0	94.7	94.7	94.7	94.7	94.7	94.7	95.3	95.3	95.3	95.3	95.3
≥ 10000	94.7	95.3	95.3	95.3	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0
≥ 9000	94.7	95.3	95.3	95.3	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0
≥ 8000	96.7	97.3	97.3	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0
≥ 7000	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7
≥ 6000	98.0	98.7	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3
≥ 5000	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 4500	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 4000	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 3500	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 3000	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 2500	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 2000	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 1800	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 1500	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 900	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 800	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 700	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0
0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	78.7	79.3	79.3	79.3	79.3	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 20000	87.3	88.0	88.0	88.0	88.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 18000	88.7	89.3	89.3	89.3	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 16000	88.7	89.3	89.3	89.3	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 14000	90.0	90.7	90.7	90.7	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 12000	90.0	90.7	90.7	90.7	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 10000	92.0	92.7	92.7	92.7	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 9000	92.0	92.7	92.7	92.7	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 8000	93.3	94.0	94.0	94.0	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 7000	94.7	95.3	95.3	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 6000	96.7	97.3	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 5000	98.0	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4500	98.0	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4000	98.0	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3500	98.0	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3000	98.0	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2500	98.0	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2000	98.0	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1800	98.0	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	98.0	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	98.0	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	98.0	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	98.0	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	98.0	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	98.0	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	98.0	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	98.0	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	98.0	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	98.0	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	98.0	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	98.0	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	98.0	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

APR
MONTH

16
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	77.5	77.5	77.5	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 20000	86.2	86.2	86.2	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 18000	86.2	86.2	86.2	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 16000	87.7	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 14000	87.7	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 12000	89.9	89.9	89.9	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 10000	92.0	92.0	92.0	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 9000	93.5	93.5	93.5	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 8000	94.9	94.9	94.9	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 7000	94.9	94.9	94.9	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 6000	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 5000	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

138

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

APR
MONTH

19
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	52.2	52.2	52.2	53.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 20000	87.1	87.1	87.1	88.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 18000	88.1	88.1	88.1	89.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 16000	88.1	88.1	88.1	89.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 14000	90.1	90.1	90.1	91.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 12000	90.1	90.1	90.1	91.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 10000	94.1	94.1	94.1	95.1	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 9000	94.1	94.1	94.1	95.1	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 8000	95.1	95.1	95.1	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 7000	96.0	96.0	96.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 6000	97.0	97.0	97.0	98.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 5000	97.0	97.0	97.0	98.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 4500	97.0	97.0	97.0	98.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 4000	97.0	97.0	97.0	98.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 3500	97.0	97.0	97.0	98.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 3000	98.0	98.0	98.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	98.0	98.0	98.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	98.0	98.0	98.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	98.0	98.0	98.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	98.0	98.0	98.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.0	98.0	98.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.0	98.0	98.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.0	98.0	98.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.0	98.0	98.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.0	98.0	98.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.0	98.0	98.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.0	98.0	98.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.0	98.0	98.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.0	98.0	98.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.0	98.0	98.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.0	98.0	98.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.0	98.0	98.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

101

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

YEARS

APR
MONTH

22
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
AI 18000													
AI 16000													
AI 14000													
AI 12000													
AI 10000													
AI 9000													
AI 8000													
AI 7000													
AI 6000													
AI 5000													
AI 4500													
AI 4000													
AI 3500													
AI 3000													
AI 2500													
AI 2000													
AI 1800													
AI 1500													
AI 1200													
AI 1000													
AI 900													
AI 800													
AI 700													
AI 600													
AI 500													
AI 400													
AI 300													
AI 200													
AI 100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	81.7	82.0	82.0	82.3	82.4	82.4	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 20000	89.1	89.4	89.4	89.7	89.8	89.8	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 18000	89.6	89.8	89.8	90.1	90.3	90.3	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 16000	90.1	90.4	90.4	90.7	90.9	90.9	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 14000	91.3	91.6	91.6	91.9	92.0	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 12000	92.2	92.5	92.5	92.7	92.9	92.9	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 10000	94.1	94.3	94.3	94.6	94.8	94.8	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 9000	94.5	94.8	94.8	95.1	95.2	95.2	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
8000	95.9	96.2	96.2	96.5	96.7	96.7	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0
7000	96.5	96.8	96.8	97.1	97.2	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
6000	98.1	98.4	98.4	98.7	98.8	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
5000	98.7	99.0	99.0	99.3	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
4500	98.7	99.0	99.0	99.3	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
4000	98.7	99.0	99.0	99.3	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
3500	98.7	99.0	99.0	99.3	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
3000	98.8	99.1	99.1	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2500	98.8	99.1	99.1	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2000	98.8	99.1	99.1	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1800	98.8	99.1	99.1	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1500	98.8	99.1	99.1	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1200	98.8	99.1	99.1	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1000	98.8	99.1	99.1	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
900	98.8	99.1	99.1	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
800	98.8	99.1	99.1	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
700	98.8	99.1	99.1	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
600	98.8	99.1	99.1	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
500	98.8	99.1	99.1	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
400	98.8	99.1	99.1	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
300	98.8	99.1	99.1	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
200	98.8	99.1	99.1	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
100	98.8	99.1	99.1	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0	98.8	99.1	99.1	99.4	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

669

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

MAY
MONTH

07
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 20000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 18000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 16000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 14000	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 12000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 10000	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 9000	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 8000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 7000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 6000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 5000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 20000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 18000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 16000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 14000	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 12000	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 10000	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 9000	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 8000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 7000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 6000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 5000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	79.7	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 20000	90.9	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 18000	90.9	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 16000	90.9	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 14000	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 12000	92.2	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 10000	93.5	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 9000	93.5	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 8000	95.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 7000	95.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 6000	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 5000	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4500	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4000	98.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3500	98.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3000	98.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2500	98.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2000	98.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1800	98.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	98.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	98.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	98.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	98.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	98.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	98.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	98.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	98.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	98.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	98.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	98.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	98.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	98.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

153

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

MAY
MONTH

16
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 20000	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 18000	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 16000	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 14000	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 12000	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 10000	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 9000	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 8000	94.1	94.9	94.9	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 7000	94.9	95.8	95.8	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 6000	95.8	96.6	96.6	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 5000	97.5	98.3	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 4500	97.5	98.3	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 4000	97.5	98.3	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 3500	97.5	98.3	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 3000	97.5	98.3	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 2500	97.5	98.3	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 2000	97.5	98.3	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1800	97.5	98.3	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1500	97.5	98.3	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1200	97.5	98.3	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	97.5	98.3	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900	97.5	98.3	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	97.5	98.3	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	97.5	98.3	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	97.5	98.3	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	97.5	98.3	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	97.5	98.3	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	97.5	98.3	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200	97.5	98.3	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 100	97.5	98.3	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 0	97.5	98.3	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS

118

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

MAY
MONTH

19
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 20000	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 18000	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 16000	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 14000	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 12000	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 10000	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 9000	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 8000	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 7000	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 6000	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 5000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 4500	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 4000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 3500	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 3000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 2500	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

85

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

TEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 20000	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 18000	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 16000	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 14000	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 12000	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 10000	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 9000	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 8000	95.8	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 7000	96.3	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 6000	97.3	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 5000	98.2	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 4500	98.2	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 4000	98.8	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3500	98.8	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3000	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 2500	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 2000	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1800	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1500	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
0	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

667

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION
93104

STATION NAME
CHINA LAKE, CALIFORNIA

YEARS

JUN
MONTH

01
HOURS (L S Y)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

YEARS

JUN
MONTH

04
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

WINDY LAKE, CALIFORNIA

73-77

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
10000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
9000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
8000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
7000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
6000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
5000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
4000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
3500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
3000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
900	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
700	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
600	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
400	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
300	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
100	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

JUN
MONTH

10
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 20000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 18000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 16000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 14000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 12000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½
NO CEILING	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 20000	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 18000	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 16000	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 14000	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 12000	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 10000	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93104
STATIONCHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

JUN
MONTH16
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	84.9	84.9	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 20000	96.6	96.6	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 18000	96.6	96.6	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 16000	96.6	96.6	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 14000	97.5	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 12000	97.5	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 10000	97.5	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 9000	97.5	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 8000	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

119

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	87.6	87.6	88.8	88.8	88.8	88.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 20000	93.3	93.3	94.4	94.4	94.4	94.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 18000	93.3	93.3	94.4	94.4	94.4	94.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 16000	93.3	93.3	94.4	94.4	94.4	94.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 14000	94.4	94.4	95.5	95.5	95.5	95.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 12000	94.4	94.4	95.5	95.5	95.5	95.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 10000	95.5	95.5	96.6	96.6	96.6	96.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 9000	95.5	95.5	96.6	96.6	96.6	96.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 8000	96.6	96.6	97.8	97.8	97.8	97.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 7000	97.8	97.8	98.9	98.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	97.8	97.8	98.9	98.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	97.8	97.8	98.9	98.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	97.8	97.8	98.9	98.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	97.8	97.8	98.9	98.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	97.8	97.8	98.9	98.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	97.8	97.8	98.9	98.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	97.8	97.8	98.9	98.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	97.8	97.8	98.9	98.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	97.8	97.8	98.9	98.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	97.8	97.8	98.9	98.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	97.8	97.8	98.9	98.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	97.8	97.8	98.9	98.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	97.8	97.8	98.9	98.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	97.8	97.8	98.9	98.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	97.8	97.8	98.9	98.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	97.8	97.8	98.9	98.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	97.8	97.8	98.9	98.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	97.8	97.8	98.9	98.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	97.8	97.8	98.9	98.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.8	97.8	98.9	98.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.8	97.8	98.9	98.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	97.8	97.8	98.9	98.9	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

89

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION 93104

CHINA LAKE, CALIFORNIA

STATION NAME

YEARS

JUN MONTH

22 HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION
93104

CHINA LAKE, CALIFORNIA

73-77

STATION NAME

YEARS

MONTH
JUN

HOURS (LST)
ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	89.8	89.8	90.4	90.4	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 20000	96.7	96.7	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 18000	96.7	96.7	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 16000	96.8	96.8	97.4	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 14000	97.9	97.9	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 12000	97.9	97.9	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 10000	98.6	98.6	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 9000	98.6	98.6	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 8000	99.1	99.1	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 7000	99.2	99.2	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	99.2	99.2	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	99.2	99.2	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	99.2	99.2	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	99.2	99.2	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	99.2	99.2	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	99.2	99.2	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	99.2	99.2	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.2	99.2	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.2	99.2	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.2	99.2	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.2	99.2	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.2	99.2	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.2	99.2	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.2	99.2	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.2	99.2	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.2	99.2	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.2	99.2	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.2	99.2	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.2	99.2	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.2	99.2	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.2	99.2	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.2	99.2	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

658

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION
93104

STATION NAME
CHINA LAKE, CALIFORNIA

YEARS

MONTH
JUL

01

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION 03104

STATION NAME CHINA LAKE, CALIFORNIA

YEARS

JUL NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T) 04

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104

CHINA LAKE, CALIFORNIA

73-77

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 20000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 18000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 16000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 14000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 12000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93104
STATIONCHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

JUL
MONTH10
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 20000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 18000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 16000	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 14000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 12000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 20000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 18000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 16000	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 14000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 12000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 10000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 9000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

154

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	84.8	84.8	84.8	84.8	84.8	84.6	84.8	84.8	84.8	84.6	84.8	84.8	84.8	84.8
≥ 20000	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 18000	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 16000	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 14000	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 12000	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 10000	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 9000	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

118

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 20000	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 18000	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 16000	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 14000	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 12000	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 10000	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 9000	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 8000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 7000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 6000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 5000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 4500	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 4000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 3500	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

93

AD-A060 546

NAVAL WEATHER SERVICE DETACHMENT / SHEVILLE N C
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS), CHINA L--ETC(U)
JUL 78

F/G 4/2

UNCLASSIFIED

NL

3 OF 4

AD
A060546



CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION
93104

STATION NAME
CHINA LAKE, CALIFORNIA

YEARS

MONTH
JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)
22

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
AI AI												
18000												
AI AI												
16000												
AI AI												
14000												
AI AI												
12000												
AI AI												
10000												
AI AI												
9000												
AI AI												
8000												
AI AI												
7000												
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900												
AI AI												
800												
AI AI												
700												
AI AI												
600												
AI AI												
500												
AI AI												
400												
AI AI												
300												
AI AI												
200												
AI AI												
100												
AI AI												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 20000	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 18000	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 16000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 14000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 12000	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 10000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 9000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 8000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 7000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 6000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 5000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 4500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 4000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

675

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

5703 CEILING VERSUS VISIBILITY JAN 78

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
AI AI												
18000												
AI AI												
16000												
AI AI												
14000												
AI AI												
12000												
AI AI												
10000												
AI AI												
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300												
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200												
AI AI												
100												
AI AI												
0												
AI AI												

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

AUG
MONTH

07
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 20000	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 18000	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 16000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 14000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 12000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 10000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 9000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 8000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 7000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 6000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 5000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

154

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

AUG
MONTH

10
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 0
NO CEILING	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 20000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
18000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
16000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
14000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
12000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
10000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
8000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
7000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
6000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
5000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
4500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
4000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
3500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
3000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
2500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
2000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
900	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
700	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
600	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
400	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
300	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
100	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 20000	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 18000	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 16000	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 14000	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 12000	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 10000	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 9000	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 8000	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 7000	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 6000	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 5000	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4500	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4000	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3500	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3000	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2500	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2000	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1800	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 20000	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 18000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 16000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 14000	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 12000	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 10000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 9000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 8000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 7000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 6000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 5000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 4500	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 4000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 3500	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 3000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 2500	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 2000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1800	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1500	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1200	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 100	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS

132

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

AUG
MONTH

19
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16
NO CEILING	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 20000	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 18000	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 16000	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 14000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 12000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 65

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

22
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 20000	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 18000	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 16000	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 14000	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 12000	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 10000	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 9000	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
8000	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
7000	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
6000	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
5000	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
4500	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
4000	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
3500	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
3000	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2500	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2000	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
1800	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
1500	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
1200	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
1000	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
900	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
800	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
700	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
600	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
500	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
400	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
300	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
200	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
100	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

681

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

01
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														≥ 0
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

CHINA LAKE, CALIFORNIA

STATION NAME

YEARS

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

SEP
MONTH

07
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 20000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 18000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 16000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 14000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 12000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 10000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 9000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 8000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 7000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 6000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

SEP
MONTH

10
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 20000	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 18000	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 16000	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 14000	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 12000	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 10000	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 9000	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
8000	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
7000	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
6000	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
5000	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
4500	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
4000	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
3500	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
3000	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2500	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2000	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1800	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1500	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1200	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1000	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
900	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
800	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
700	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
600	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
500	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
400	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
300	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
200	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
100	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 20000	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 18000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 16000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 14000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 12000	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 10000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 9000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
8000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
7000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
6000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
5000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
4500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
4000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
3500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
3000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
900	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
700	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
600	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
400	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
300	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
100	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

CHINA LAKE, CALIFORNIA

73-77

STATION NAME

YEARS

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 20000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 18000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 16000	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 14000	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 12000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 10000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 9000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 8000	97.5	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 7000	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 6000	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 5000	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 4500	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 4000	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 3500	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 3000	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 2500	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 2000	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1800	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1500	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1200	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 100	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
0	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 121

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-76

YEARS

SEP
MONTH

19
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½
NO CEILING	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 20000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 18000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 16000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 14000	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 12000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 10000	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 9000	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 8000	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 7000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 6000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 5000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4000	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

77

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

TEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 20000	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 18000	93.2	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 16000	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 14000	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 12000	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 10000	97.5	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 9000	98.2	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 8000	98.6	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 7000	98.9	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 6000	98.9	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 5000	98.9	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 4500	98.9	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 4000	98.9	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3500	98.9	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3000	98.9	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2500	98.9	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2000	98.9	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800	98.9	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1500	98.9	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200	98.9	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	98.9	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	98.9	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	98.9	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	98.9	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	98.9	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	98.9	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	98.9	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	98.9	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	98.9	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	98.9	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0	98.9	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

647

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

CHINA LAKE, CALIFORNIA

STATION NAME

YEARS

DCT

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNA \ OCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DOCT
MONTH

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 20000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 18000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 16000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 14000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 12000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 10000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 9000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 8000	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 7000	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 6000	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 5000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 154

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

UCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	≥ 0
NO CEILING	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 20000	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 18000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 16000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 14000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 12000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 10000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 9000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 8000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

135

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93104
STATIONCHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

OCT
MONTH

13

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 20000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 18000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 16000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 14000	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 12000	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 10000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 9000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 8000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 7000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

153

CEILING VERSUS VISIBILITY

5763 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

UCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 20000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 18000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 16000	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 14000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 12000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 10000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 9000	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 8000	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 7000	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 6000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 5000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 4500	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 4000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

124

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-76

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 20000	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 18000	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 16000	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 14000	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 12000	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 10000	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 9000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
8000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

79

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

5703 CEILING VERSUS VISIBILITY JAN 78

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 23104 CHINA LAKE, CALIFORNIA 73-77 YEARS OCT MONTH ALL HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 20000	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 18000	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 16000	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 14000	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 12000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 10000	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 9000	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 8000	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 7000	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 6000	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 5000	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 4500	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 4000	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3500	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 667

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMQS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

03104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 20000	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 18000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 16000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 14000	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 12000	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 10000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 9000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 8000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 7000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 6000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 5000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

141

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 20000	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 18000	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 16000	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 14000	95.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 12000	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 10000	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 9000	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 8000	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 7000	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 6000	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 5000	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4500	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4000	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	80.5	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 20000	92.0	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 18000	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 16000	94.6	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 14000	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 12000	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 10000	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 9000	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 8000	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 7000	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 6000	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 5000	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4500	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4000	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

149

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

NOV
MONTH

16
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	81.6	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 20000	94.4	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 18000	95.1	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 16000	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 14000	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 12000	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 10000	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 9000	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 8000	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 7000	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 6000	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 5000	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4500	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4000	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3500	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

143

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 20000	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 18000	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 16000	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 14000	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 12000	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 10000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 9000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 8000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 7000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 6000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

90

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

CHINA LAKE, CALIFORNIA

STATION NAME

YEARS

NOV
MONTA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														≥ 0
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ ¼	≥ 0	≥ 0
NO CEILING	62.5	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 20000	93.3	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 18000	94.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 16000	95.1	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 14000	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 12000	97.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 10000	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 9000	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 8000	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 7000	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 6000	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 5000	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4500	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4000	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 3500	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3000	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

673

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

YEARS

DEC
MONTH

01
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	NO CEILING	≥ 20000	18000	16000	14000	12000	10000	9000	8000	7000	6000	5000	4500
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION
93104

STATION NAME
CHINA LAKE, CALIFORNIA

YEARS

MONTH
DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)
04

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 20000	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 18000	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 16000	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 14000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 12000	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 10000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 9000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 8000	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 7000	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 6000	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 5000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 4500	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 4000	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 3500	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 3000	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 2500	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 2000	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1800	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1500	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1200	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1000	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 900	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 800	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 700	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 600	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 500	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 400	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 300	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 200	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 100	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 0	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9

TOTAL NUMBER OF OBSERVATIONS

140

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	77.9	77.9	77.9	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 20000	88.3	88.3	88.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 18000	89.0	89.0	89.0	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 16000	90.3	90.3	90.3	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 14000	91.6	91.6	91.6	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 12000	93.5	93.5	93.5	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 10000	94.2	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 9000	94.2	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
8000	94.8	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
7000	95.5	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
6000	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
5000	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
4500	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
4000	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
3500	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
3000	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
2500	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
2000	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1800	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1500	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1200	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1000	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
900	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
800	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
700	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
600	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
500	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
400	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
300	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
200	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
100	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
0	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

154

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

03104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

DEC
MONTH

13
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½
NO CEILING	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 20000	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 18000	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 16000	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 14000	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 12000	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 10000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 9000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 8000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 7000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 6000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 5000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

149

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

DEC
MONTH

16
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 20000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 18000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 16000	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 14000	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 12000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 10000	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 9000	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 8000	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 7000	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 6000	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 5000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 4500	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 4000	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 3500	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 3000	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 2500	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 2000	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1800	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1500	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1200	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 700	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 600	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 300	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 200	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 100	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS

142

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

DEC
MONTH

19
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 20000	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 18000	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 16000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 14000	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 12000	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 10000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 9000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 8000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 7000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

83

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

CHINA LAKE, CALIFORNIA

STATION NAME

YEARS

DEC

MONTH

22

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 20000	88.3	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 18000	88.6	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 16000	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 14000	91.9	91.9	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 12000	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 10000	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 9000	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 8000	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 7000	96.7	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 6000	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 5000	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 4500	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 4000	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 3500	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 3000	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 2500	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 2000	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1800	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1500	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1200	98.1	98.1	98.2	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000	98.4	98.4	98.5	98.7	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	98.4	98.4	98.5	98.7	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	98.5	98.5	98.7	98.8	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	98.5	98.5	98.7	98.8	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	98.5	98.5	98.7	98.8	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	98.5	98.5	98.7	98.8	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	98.5	98.5	98.7	98.8	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	98.5	98.5	98.7	98.8	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	98.5	98.5	98.7	98.8	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	98.5	98.5	98.7	98.8	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
0	98.5	98.5	98.7	98.8	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 668

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

73-77

YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	51.6	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1
≥ 20000	89.3	89.4	89.6	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8
≥ 18000	89.6	89.7	89.9	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 16000	90.3	90.4	90.6	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 14000	92.4	92.5	92.7	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 12000	93.9	94.0	94.2	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 10000	95.0	95.1	95.3	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 9000	95.1	95.3	95.5	95.5	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7
≥ 8000	96.1	96.4	96.6	96.6	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8
≥ 7000	96.4	96.6	96.8	96.9	96.9	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.1
≥ 6000	97.2	97.5	97.7	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 5000	97.7	98.0	98.2	98.3	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5
≥ 4500	97.7	98.0	98.2	98.3	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5
≥ 4000	98.1	98.5	98.7	98.8	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 3500	98.2	98.6	98.9	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 3000	98.4	98.8	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4
≥ 2500	98.4	98.9	99.1	99.2	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2000	98.5	98.9	99.2	99.3	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1800	98.5	98.9	99.2	99.3	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1500	98.5	98.9	99.2	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1200	98.5	99.0	99.2	99.3	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6
≥ 1000	98.5	99.0	99.3	99.4	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7
≥ 900	98.5	99.0	99.3	99.4	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7
≥ 800	98.5	99.0	99.3	99.4	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7
≥ 700	98.5	99.0	99.3	99.4	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7
≥ 600	98.5	99.0	99.3	99.4	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7
≥ 500	98.5	99.0	99.3	99.4	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7
≥ 400	98.5	99.0	99.3	99.4	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7
≥ 300	98.5	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8
≥ 200	98.5	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8
≥ 100	98.5	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8
0	98.5	99.0	99.4	99.5	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 8077

DIRNAVOCEANMET SMOS

NAVWEASERVCOM

SKY COVER

93104

CHINA LAKE, CALIFORNIA

73-77

JUN

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	01													
	04													
	07	64.7	7.3	4.0	3.3	5.3	6.0	.7	1.3	2.7	2.7	2.0	1.6	150
	10	53.3	10.7	6.0	6.0	4.0	2.0	5.3	2.0	4.7	1.3	2.7	1.9	150
	13	47.3	12.7	6.0	5.3	3.3	5.3	4.7	6.0	4.0	1.3	4.0	2.3	150
	16	42.0	16.8	4.2	5.0	5.0	5.9	4.2	5.9	5.9	1.7	3.4	2.5	119
	19	55.1	7.9	2.2	6.7	3.4	3.4	5.6	4.5	2.2	3.4	5.6	2.3	89
	22													
TOTALS		52.9	11.1	4.5	5.3	4.2	4.5	4.1	3.9	3.9	2.1	3.5	2.1	658

SKY COVER

93104

CHINA LAKE, CALIFORNIA

73-77

7

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	01													
	04													
	07	68.4	6.5	3.9	1.3	1.9	1.3	4.5	3.9	1.3	.6	6.5	1.7	155
	10	61.3	9.0	6.5	2.6	3.9	1.3	1.9	3.9	2.6	3.2	3.9	1.8	155
	13	52.6	16.2	8.4	2.6	1.3	1.9	.6	3.2	7.8	2.6	2.6	1.9	154
	16	50.8	14.4	5.9	7.6	3.4	1.7	1.7	1.7	5.9	5.1	1.7	2.0	118
	19	68.8	2.2	1.1	4.3		3.2	2.2	4.3	6.5	4.3	3.2	2.0	93
	22													
TOTALS		60.4	9.7	5.2	3.7	2.1	1.9	2.2	3.4	4.8	3.2	3.6	1.9	675

SKY COVER

93104

CHINA LAKE, CALIFORNIA

73-77

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STATION

STATION NAME

001834

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	01													
	04													
	07	60.0	8.7	4.0	3.3	4.7	1.3	4.0	3.3	3.3	2.0	5.3	2.0	150
	10	58.7	7.3	4.7	2.7	5.3	2.0	2.7	7.3	2.7	2.7	4.0	2.1	150
	13	49.7	14.8	6.0	4.7	4.0	4.0	3.4	5.4	3.4	.7	4.0	2.1	149
	16	46.3	14.9	5.0	9.1	4.1	2.5	.8	6.6	4.1	2.5	4.1	2.3	121
	19	53.2	10.4	6.5	5.2	5.2		1.3	2.6	3.9	6.5	5.2	2.3	77
	22													
TOTALS		53.6	11.2	5.2	5.0	4.7	2.0	2.4	5.0	3.5	2.9	4.5	2.2	647

MONTH OCT

73-77

CHINA LAKE, CALIFORNIA

STATION	93104
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PERIOD

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

NAVWEASERVCOM

SKY COVER

93104 CHINA LAKE, CALIFORNIA 73-77 ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	32.7	7.0	6.1	5.3	4.0	5.1	3.8	7.8	8.4	3.7	16.2	4.2	710
FEB		23.1	8.9	7.6	7.1	6.2	3.6	4.0	8.2	9.1	6.7	15.6	4.6	644
MAR		25.0	9.7	5.9	7.4	4.7	4.9	4.9	8.3	9.9	4.9	14.2	4.4	698
APR		44.2	10.6	4.2	3.9	3.9	3.4	4.3	5.0	6.2	4.0	9.2	3.1	639
MAY		38.5	9.8	7.5	6.2	3.2	3.3	4.9	7.2	7.9	4.3	7.1	3.3	667
JUN		52.9	11.1	4.5	5.3	4.2	4.5	4.1	3.9	3.9	2.1	3.5	2.1	658
JUL		60.4	9.7	5.2	3.7	2.1	1.9	2.2	3.4	4.8	3.2	3.6	1.9	675
AUG		63.5	9.3	5.6	4.5	2.7	1.3	2.8	2.2	3.8	.8	3.4	1.6	681
SEP		53.6	11.2	5.2	5.0	4.7	2.0	2.4	5.0	3.5	2.9	4.5	2.2	647
OCT		52.2	8.6	6.4	5.0	3.0	2.7	2.9	5.0	6.0	4.4	3.9	2.4	667
NOV		37.7	9.6	4.6	7.0	5.6	3.6	6.1	6.5	7.4	4.7	7.2	3.3	673
DEC		35.6	8.1	6.0	6.1	3.8	4.0	6.8	6.5	5.5	5.5	12.0	3.7	668
TOTALS		43.3	9.5	5.7	5.5	4.0	3.4	4.1	5.8	6.4	3.9	8.4	3.1	8077

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σx). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

DAILY TEMPERATURES

93104 CHINA LAKE, CALIFORNIA 45-64 YEARS
STATION NAME
CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS) MAXIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
110						2.4	4.8	.5	.5				.7
105					.3	10.8	28.1	18.7	4.7				5.4
100					2.3	28.7	70.4	55.0	26.2	.2			15.7
95						54.1	94.2	84.4	52.2	4.5			26.2
90				2.0	14.1	75.3	99.8	95.8	77.3	18.7			35.1
85			.3	26.0	55.4	88.9		99.2	89.7	61.4	1.2		42.9
80		.9	8.2	45.8	72.1	96.0	100.0	99.8	95.2	63.7	8.4		50.4
75	.3	8.2	26.3	66.5	84.8	98.3		100.0	98.7	80.1	23.3	.9	58.5
70	5.4	24.6	47.2	78.8	93.1	99.5			99.8	91.3	41.9	4.4	66.5
65	18.7	44.1	66.4	88.7	98.7	100.0			100.0	95.6	65.3	22.5	75.8
60	41.0	66.7	82.3	95.7	99.4					98.9	81.4	47.2	84.8
55	64.1	84.9	93.0	99.0	100.0					100.0	94.4	74.4	92.7
50	83.0	93.7	98.6	100.0							98.4	92.2	97.4
45	94.6	99.3	99.7								99.8	98.5	99.3
40	98.0	100.0	100.0								100.0	100.0	99.8
35	99.3												99.9
30	99.8												100.0
25	100.0												100.0
MEAN	57.2	63.2	68.0	77.6	84.5	94.7	101.7	99.6	94.0	81.7	67.6	58.9	79.1
S. D.	8.058	7.971	8.497	9.680	9.139	8.082	4.616	5.307	7.340	8.525	8.341	6.603	17.228
TOTAL OBS.	588	537	589	600	619	595	619	620	600	619	570	587	7143

NAVWEASERVCOM

5721 Daily Temperatures Jan 1969

DAILY TEMPERATURES

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

45-64

YEARS

MINIMUM

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
85						2	1.1						.1
80						1.0	7.4	3.1	.3				1.0
75						8.6	32.6	18.4	2.5				5.3
70						24.2	62.2	44.7	14.3				12.7
65					1.9	48.2	88.5	74.7	37.5	.2			22.4
60				.7	9.7	77.5	98.1	94.0	64.5	1.9			32.6
55			.2	22.8	62.5	92.9	100.0	99.2	88.5	8.6	.7		43.0
50	.7	2.6	10.0	48.3	83.4	99.0		100.0	97.0	32.6	1.8	.2	52.0
45	3.6	12.5	28.4	74.5	94.7	99.7			99.7	61.6	6.5	.7	61.1
40	9.5	30.9	55.0	91.3	99.7	100.0			100.0	84.0	18.2	4.1	70.3
35	26.9	57.5	82.3	98.0	100.0					99.2	38.6	11.8	80.4
30	54.9	79.7	96.1	99.7						100.0	68.8	24.4	90.2
25	80.4	92.0	99.3	100.0							89.6	59.1	96.3
20	93.5	98.5	100.0								97.2	84.8	99.1
15	98.1	99.8									100.0	96.4	99.8
10	99.8	100.0										99.8	100.0
5	100.0											100.0	100.0
MEAN	30.2	35.6	40.6	49.1	56.2	64.6	71.5	68.9	62.2	51.1	37.9	31.0	49.9
S. D.	7.212	7.475	6.705	6.902	6.704	6.873	5.735	5.920	6.601	6.687	7.224	6.702	15.084
TOTAL OBS.	588	537	589	600	619	595	619	620	600	619	570	587	7143

NAVWEASERVCOM

721 Daily Temperature Jan 1969

DAILY TEMPERATURES

93104
STATIONCHINA LAKE, CALIFORNIA
STATION NAME

45-64

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
95						1.5	3.4	.3					.4
90					.2	7.9	29.7	16.1	2.2				4.8
85					1.5	25.0	69.5	52.1	16.8				14.2
80				.3	5.7	50.9	95.5	84.4	44.2	1.9			24.5
75				5.7	32.8	79.5	99.8	96.6	73.5	12.0			34.2
70			.2	23.5	58.6	93.4	100.0	99.8	90.5	34.1	.9		42.8
65		.6	6.1	46.8	79.0	98.2	100.0	100.0	98.5	65.6	3.3		51.2
60	.7	6.1	24.3	72.2	92.1	100.0			99.8	86.1	16.0	.7	59.4
55	3.7	24.4	53.5	85.5	99.0				100.0	95.3	40.9	3.7	68.2
50	19.4	52.5	77.4	96.0	99.8					99.4	69.3	20.8	78.6
45	47.6	79.0	93.5	100.0	100.0					100.0	90.9	55.7	89.2
40	75.5	92.7	99.7								98.8	86.2	96.2
35	92.9	99.3	100.0								99.8	97.1	99.1
30	97.6	100.0									100.0	99.8	99.8
25	99.7											100.0	100.0
20	100.0												100.0
15													
10													
5													
0													
MEAN	44.0	49.6	54.6	63.6	70.6	79.9	86.9	84.5	78.3	66.6	53.0	45.2	64.7
S. D.	6.536	6.557	6.449	7.474	7.176	6.803	4.418	4.824	6.136	6.626	6.605	5.354	16.048
TOTAL OBS.	588	537	589	600	619	595	619	620	600	619	570	567	7143

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

STATION
93104

CHINA LAKE, CALIFORNIA
STATION NAME

1966-1964

YEARS

JANUARY

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		EXTREME		DATE		AVERAGE		MINIMUM TEMP		EXTREME		DATE	
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C			° F	° C	° F	° C				
1	41.9	5.5	56.7	13.7	66	18.9	18.9	1964	27.2	-2.7	17	-8.3	1954	27.2	-2.7	17	-8.3	1954	27.2	-2.7
2	41.2	5.1	55.0	12.8	67	19.4	19.4	1962	27.5	-2.5	19	-7.2	1960	27.5	-2.5	19	-7.2	1960	27.5	-2.5
3	40.3	4.6	54.0	12.2	66	18.9	18.9	1962	26.5	-3.1	15	-9.4	1952	26.5	-3.1	15	-9.4	1952	26.5	-3.1
4	39.5	4.2	53.9	12.2	65	18.3	18.3	1962*	25.1	-3.8	11	-11.7	1952	25.1	-3.8	11	-11.7	1952	25.1	-3.8
5	40.9	4.9	56.1	13.4	69	20.6	20.6	1958	25.7	-3.5	11	-11.7	1949	25.7	-3.5	11	-11.7	1949	25.7	-3.5
6	42.9	6.1	57.4	14.1	71	21.7	21.7	1962	28.3	-2.1	13	-10.6	1950	28.3	-2.1	13	-10.6	1950	28.3	-2.1
7	44.1	6.7	57.9	14.4	77	25.0	25.0	1962	30.2	-1.0	11	-11.7	1950	30.2	-1.0	11	-11.7	1950	30.2	-1.0
8	45.0	7.2	59.1	15.1	74	23.3	23.3	1962	30.8	-0.7	22	-5.6	1951*	30.8	-0.7	22	-5.6	1951*	30.8	-0.7
9	43.1	6.2	56.5	13.6	71	21.7	21.7	1962	29.6	-1.3	18	-7.8	1952	29.6	-1.3	18	-7.8	1952	29.6	-1.3
10	42.1	5.6	54.6	12.6	69	20.6	20.6	1953	29.6	-1.3	19	-7.2	1952	29.6	-1.3	19	-7.2	1952	29.6	-1.3
11	42.7	5.9	54.2	12.3	68	20.0	20.0	1953*	31.1	-0.5	20	-6.7	1962	31.1	-0.5	20	-6.7	1962	31.1	-0.5
12	42.5	5.8	55.0	12.8	73	22.8	22.8	1953	30.1	-1.1	11	-11.7	1949	30.1	-1.1	11	-11.7	1949	30.1	-1.1
13	43.6	6.4	55.6	13.1	68	20.0	20.0	1946	31.6	-0.2	6	-14.4	1963	31.6	-0.2	6	-14.4	1963	31.6	-0.2
14	42.1	5.6	54.8	12.7	67	19.4	19.4	1961*	29.4	-1.4	13	-10.6	1963	29.4	-1.4	13	-10.6	1963	29.4	-1.4
15	42.5	5.8	56.3	13.5	71	21.7	21.7	1961	28.6	-1.9	18	-7.8	1963	28.6	-1.9	18	-7.8	1963	28.6	-1.9
16	44.6	7.0	58.5	14.7	70	21.1	21.1	1961	30.6	-0.8	18	-7.8	1963	30.6	-0.8	18	-7.8	1963	30.6	-0.8
17	44.4	6.9	58.5	14.7	72	22.2	22.2	1959	30.4	-0.9	22	-5.6	1963*	30.4	-0.9	22	-5.6	1963*	30.4	-0.9
18	45.1	7.3	58.3	14.6	71	21.7	21.7	1961	31.9	-0.1	20	-6.7	1963	31.9	-0.1	20	-6.7	1963	31.9	-0.1
19	44.5	6.9	57.1	13.9	68	20.0	20.0	1961	31.9	-0.1	19	-7.2	1947	31.9	-0.1	19	-7.2	1947	31.9	-0.1
20	44.4	6.9	56.8	13.8	69	20.6	20.6	1953	32.1	0.1	15	-9.4	1963	32.1	0.1	15	-9.4	1963	32.1	0.1
21	43.5	6.4	56.3	13.5	67	19.4	19.4	1950	30.7	-0.7	20	-6.7	1963	30.7	-0.7	20	-6.7	1963	30.7	-0.7
22	44.1	6.7	57.1	13.9	73	22.8	22.8	1948	31.2	-0.4	22	-5.6	1962	31.2	-0.4	22	-5.6	1962	31.2	-0.4
23	46.9	8.3	61.2	16.2	77	25.0	25.0	1948	32.6	0.3	21	-6.1	1962	32.6	0.3	21	-6.1	1962	32.6	0.3
24	47.0	8.3	61.5	16.4	72	22.2	22.2	1951*	32.6	0.3	22	-5.6	1949	32.6	0.3	22	-5.6	1949	32.6	0.3
25	47.7	8.7	60.4	15.8	75	23.9	23.9	1946	35.0	1.7	26	-3.3	1950	35.0	1.7	26	-3.3	1950	35.0	1.7
26	45.8	7.7	57.7	14.3	70	21.1	21.1	1951	33.9	1.1	18	-7.8	1950	33.9	1.1	18	-7.8	1950	33.9	1.1
27	44.6	7.0	58.7	14.8	71	21.7	21.7	1951	30.4	-0.9	15	-9.4	1950	30.4	-0.9	15	-9.4	1950	30.4	-0.9
28	44.4	6.9	57.9	14.4	71	21.7	21.7	1962	30.8	-0.7	16	-8.9	1957*	30.8	-0.7	16	-8.9	1957*	30.8	-0.7
29	44.3	6.8	57.6	14.2	73	22.8	22.8	1953	31.1	-0.5	13	-10.6	1948	31.1	-0.5	13	-10.6	1948	31.1	-0.5
30	44.7	7.1	58.3	14.6	70	21.1	21.1	1962*	31.2	-0.4	19	-7.2	1948	31.2	-0.4	19	-7.2	1948	31.2	-0.4
31	44.6	7.0	59.4	15.2	74	23.3	23.3	1954	29.8	-1.2	18	-7.8	1949*	29.8	-1.2	18	-7.8	1949*	29.8	-1.2
Monthly	43.7	6.5	57.2	14.0	77	25.0	25.0	1962*	30.2	-1.0	6	-14.4	1963	30.2	-1.0	6	-14.4	1963	30.2	-1.0

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

93104

CHINA LAKE, CALIFORNIA

1946-1964

FEBRUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	46.1	7.8	61.1	16.2	72	22.2	31.0	-0.6	18	-7.8	1951
2	46.5	8.1	60.8	16.0	75	23.9	32.2	0.1	19	-7.2	1951
3	46.1	7.8	60.3	15.7	75	23.9	31.9	-0.1	16	-8.9	1948
4	46.9	8.3	62.4	16.9	75	23.9	31.4	-0.3	16	-8.9	1948
5	49.1	9.5	64.1	17.8	80	26.7	34.2	1.2	24	-4.4	1955*
6	49.4	9.7	64.4	18.0	80	26.7	34.5	1.4	23	-5.0	1955
7	49.9	9.9	64.2	17.9	79	26.1	35.6	2.0	20	-6.7	1948
8	50.4	10.2	62.7	17.1	78	25.6	38.2	3.4	22	-5.6	1948
9	48.7	9.3	61.7	16.5	76	24.4	35.6	2.0	22	-5.6	1949
10	49.5	9.7	61.9	16.6	80	26.7	37.0	2.8	23	-5.0	1946
11	50.6	10.3	62.4	16.9	72	22.2	38.7	3.7	21	-6.1	1955
12	48.3	9.1	61.2	16.2	73	22.8	35.5	1.9	22	-5.6	1948
13	47.7	8.7	61.2	16.2	77	25.0	34.3	1.3	14	-10.0	1948
14	48.4	9.1	62.5	16.9	79	26.1	34.3	1.3	16	-8.9	1949
15	49.2	9.6	63.5	17.5	76	24.4	34.8	1.6	22	-5.6	1949
16	49.7	9.8	62.9	17.2	78	25.6	36.5	2.5	22	-5.6	1949
17	50.3	10.2	65.1	18.4	73	22.8	35.5	1.9	21	-6.1	1956
18	50.4	10.2	62.7	17.1	76	24.4	38.1	3.4	30	-1.1	1949
19	48.5	9.2	61.8	16.6	78	25.6	35.2	1.8	22	-5.6	1955
20	50.0	10.0	63.8	17.7	76	24.4	36.2	2.3	21	-6.1	1955
21	50.3	10.2	65.3	18.5	76	24.4	35.3	1.8	18	-7.8	1953
22	51.1	10.6	65.9	18.8	75	23.9	36.3	2.4	22	-5.6	1955
23	51.1	10.6	64.3	17.9	77	25.0	37.8	3.2	27	-2.8	1953
24	51.3	10.7	65.7	18.7	78	25.6	36.9	2.7	20	-6.7	1955
25	51.4	10.8	66.0	18.9	80	26.7	36.9	2.7	24	-4.4	1955
26	51.8	11.0	64.7	18.2	81	27.2	39.0	3.9	28	-2.2	1953*
27	50.1	10.1	63.2	17.3	74	23.3	37.0	2.8	26	-3.3	1956
28	49.4	9.7	63.3	17.4	73	22.8	35.5	1.9	22	-5.6	1962
29	48.7	9.3	59.8	15.4	67	19.4	37.6	3.1	30	-1.1	1946
30											
31											
Monthly	49.4	9.7	63.2	17.3	81	27.2	35.6	2.0	14	-10.0	1948

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

1946-1964

YEARS

MARCH

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	50.2	10.1	63.3	17.4	77	25.0	37.1	2.8	26	-3.3	1955
2	50.7	10.4	63.8	17.7	79	26.1	37.6	3.1	26	-3.3	1948
3	50.4	10.2	64.0	17.8	81	27.2	36.9	2.7	24	-4.4	1953
4	50.6	10.3	64.3	17.9	75	23.9	36.9	2.7	25	-3.9	1953
5	52.6	11.4	67.2	19.6	78	25.6	38.0	3.3	22	-5.6	1948
6	52.3	11.3	64.9	18.3	79	26.1	39.6	4.2	26	-3.3	1948
7	52.1	11.2	65.7	18.7	83	28.3	38.5	3.6	28	-2.2	1955
8	53.4	11.9	68.7	20.4	79	26.1	38.2	3.4	28	-2.2	1956
9	54.2	12.3	67.7	19.8	77	25.0	40.7	4.8	31	-0.6	1964
10	52.6	11.4	66.1	18.9	77	25.0	39.2	4.0	30	-1.1	1958*
11	52.4	11.3	65.4	18.6	77	25.0	39.4	4.1	26	-3.3	1948
12	51.5	10.8	65.2	18.4	76	24.4	37.9	3.3	24	-4.4	1948
13	51.7	10.9	65.9	18.8	80	26.7	37.5	3.1	24	-4.4	1950
14	52.7	11.5	66.8	19.3	80	26.7	38.5	3.6	26	-3.3	1954
15	51.9	11.1	65.4	18.6	80	26.7	38.5	3.6	30	-1.1	1956
16	53.5	11.9	66.2	19.0	81	27.2	40.8	4.9	30	-1.1	1948
17	54.5	12.5	68.1	20.1	81	27.2	40.9	4.9	32	0.0	1955
18	55.6	13.1	70.2	21.2	83	28.3	41.0	5.0	30	-1.1	1954
19	56.3	13.5	69.1	20.6	82	27.8	43.5	6.4	32	0.0	1955
20	55.2	12.9	67.6	19.8	84	28.9	42.8	6.0	34	1.1	1955*
21	54.9	12.7	69.5	20.8	85	29.4	40.4	4.7	27	-2.8	1955*
22	55.6	13.1	68.2	20.1	82	27.8	42.9	6.1	31	-0.6	1955
23	55.0	12.8	68.5	20.3	83	28.3	41.5	5.3	30	-1.1	1952
24	54.8	12.7	69.8	21.0	86	30.0	39.9	4.4	32	0.0	1949
25	56.8	13.8	71.7	22.1	84	28.9	42.0	5.6	33	0.6	1964*
26	57.8	14.3	73.8	23.2	83	28.3	41.8	5.4	29	-1.7	1948
27	58.9	14.9	73.5	23.1	83	28.3	44.4	6.9	32	0.0	1948
28	58.3	14.6	71.4	21.9	80	26.7	45.2	7.3	34	1.1	1948
29	58.9	14.9	72.2	22.3	80	26.7	45.7	7.6	38	3.3	1963*
30	59.7	15.4	71.9	22.2	84	28.9	47.6	8.7	35	1.7	1953*
31	58.3	14.6	73.0	22.8	84	28.9	43.6	6.4	36	2.2	1954
Monthly	54.3	12.4	68.0	20.0	86	30.0	40.6	4.8	22	-5.6	1948

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

93104

CHINA LAKE, CALIFORNIA

1945-1964

APRIL

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE				MAXIMUM TEMP				MINIMUM TEMP			
	AVERAGE		AVERAGE		EXTREME		EXTREME		AVERAGE		EXTREME			
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	DATE	
1	58.1	14.5	72.5	22.5	88	31.1	1959	43.7	6.5	36	2.2	1951		
2	58.8	14.9	72.4	22.4	92	33.3	1959	45.2	7.3	37	2.8	1956		
3	58.8	14.9	73.1	22.8	96	35.6	1961	44.5	6.9	29	-1.7	1945		
4	61.3	16.3	76.7	24.8	96	35.6	1961	46.0	7.8	30	-1.1	1945		
5	61.5	16.4	76.1	24.5	90	32.2	1960	46.9	8.3	32	0.0	1945		
6	61.9	16.6	74.5	23.6	89	31.7	1960	49.3	9.6	36	2.2	1955		
7	60.7	15.9	73.7	23.2	87	30.6	1962	47.6	8.7	33	0.6	1948		
8	60.4	15.8	74.7	23.7	87	30.6	1962	46.1	7.8	37	2.8	1953		
9	62.0	16.7	76.3	24.6	91	32.8	1951	47.7	8.7	28	-2.2	1953		
10	61.6	16.4	75.4	24.1	92	33.3	1951	47.8	8.8	35	1.7	1950		
11	61.3	16.3	75.8	24.3	87	30.6	1959	46.8	8.2	35	1.7	1945		
12	63.0	17.2	78.2	25.7	89	31.7	1959	47.7	8.7	32	0.0	1948		
13	63.9	17.7	79.0	26.1	92	33.3	1962	48.9	9.4	30	-1.1	1948		
14	65.3	18.5	79.4	26.3	91	32.8	1962	51.1	10.6	37	2.8	1950		
15	65.7	18.7	81.4	27.4	92	33.3	1954	50.0	10.0	38	3.3	1950		
16	67.1	19.5	82.8	28.2	93	33.9	1954*	51.3	10.7	44	6.7	1963*		
17	68.1	20.1	82.0	27.8	95	35.0	1954	54.2	12.3	40	4.4	1963		
18	65.3	18.5	79.5	26.4	95	35.0	1954	51.2	10.7	42	5.6	1955		
19	64.3	17.9	78.2	25.7	93	33.9	1954*	50.4	10.2	30	-1.1	1955		
20	64.5	18.1	79.2	26.2	96	35.6	1950	49.7	9.8	39	3.9	1961		
21	65.3	18.5	80.2	26.8	96	35.6	1950	50.4	10.2	36	2.2	1957		
22	66.0	18.9	80.3	26.8	97	36.1	1949	51.8	11.0	34	1.1	1963		
23	65.6	18.7	79.2	26.2	97	36.1	1949	51.9	11.1	39	3.9	1963		
24	65.7	18.7	79.6	26.4	95	35.0	1949	51.7	10.9	36	2.2	1964		
25	63.3	17.4	76.5	24.7	93	33.9	1953	50.2	10.1	36	2.2	1960		
26	63.2	17.3	76.0	24.4	90	32.2	1946	50.3	10.2	40	4.4	1952		
27	63.5	17.5	78.7	25.9	90	32.2	1946	48.2	9.0	36	2.2	1955		
28	64.6	18.1	78.8	26.0	90	32.2	1945	50.3	10.2	42	5.6	1955		
29	64.0	17.8	78.2	25.7	96	35.6	1959	49.8	9.9	39	3.9	1948		
30	65.2	18.4	79.5	26.4	95	35.0	1959*	50.9	10.5	44	6.7	1951*		
31														
Monthly	63.3	17.4	77.6	25.3	97	36.1	1949	49.1	9.5	28	-2.2	1953		

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

93104

CHINA LAKE, CALIFORNIA

1945-1964

MAY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP		MINIMUM TEMP		DATE
	AVERAGE ° F	AVERAGE ° C	AVERAGE ° F	EXTREME ° F	AVERAGE ° F	EXTREME ° F	
1	65.8	18.8	80.4	96	51.1	41	1945
2	66.9	19.4	81.8	99	51.9	41	1947
3	67.4	19.7	82.6	100	52.2	38	1947
4	67.9	19.9	82.3	98	53.5	43	1947
5	69.2	20.7	85.2	100	53.2	42	1947
6	69.6	20.9	83.6	95	55.6	43	1948
7	69.0	20.6	81.7	95	56.2	43	1954
8	67.6	19.8	81.1	91	54.1	41	1960*
9	67.4	19.7	81.6	96	53.1	43	1960
10	68.1	20.1	82.2	98	53.9	40	1960
11	68.7	20.4	81.9	98	55.4	45	1960
12	69.0	20.6	83.0	96	54.9	41	1959
13	69.5	20.8	83.2	94	55.8	44	1954
14	68.5	20.3	81.7	95	55.2	49	1954*
15	68.4	20.2	82.9	97	53.9	42	1948
16	70.3	21.3	85.5	96	55.1	45	1954*
17	72.3	22.4	86.6	100	57.9	46	1954
18	72.5	22.5	86.5	102	58.5	49	1954
19	71.8	22.1	84.7	101	58.8	44	1954
20	73.2	22.9	87.3	99	59.1	40	1954
21	72.1	22.3	86.0	98	58.2	45	1956
22	72.5	22.5	87.2	98	57.7	41	1956
23	71.9	22.2	85.3	95	56.5	49	1956*
24	71.6	22.0	86.1	98	57.0	47	1951*
25	72.9	22.7	87.3	104	58.4	44	1951
26	73.4	23.0	88.3	107	58.4	45	1951
27	72.2	22.3	86.2	101	58.1	44	1952
28	72.3	22.4	86.4	98	58.2	46	1952
29	72.5	22.5	87.5	101	57.4	38	1950
30	73.1	22.8	86.8	104	59.3	48	1950
31	73.4	23.0	87.0	105	59.8	49	1950
Monthly	70.4	21.3	84.5	107	56.2	38	1951

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

STATION 93104 CHINA LAKE, CALIFORNIA 1945-1964 YEARS MONTH JUNE

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	74.8	23.8	88.6	31.4	102	38.9	60.9	16.1	49	9.4	1955
2	75.8	24.3	90.7	32.6	104	40.0	60.9	16.1	43	6.1	1953
3	76.9	24.9	91.3	32.9	105	40.6	62.6	17.0	52	11.1	1953
4	76.5	24.7	91.4	33.0	107	41.7	61.7	16.5	53	11.7	1958
5	77.3	25.2	91.0	32.8	102	38.9	63.6	17.6	50	10.0	1948
6	74.7	23.7	89.0	31.7	104	40.0	60.4	15.8	52	11.1	1950*
7	74.4	23.6	88.8	31.6	106	41.1	59.9	15.3	51	10.6	1950
8	75.6	24.2	90.3	32.4	110	43.3	60.8	15.0	51	10.6	1950
9	73.4	23.0	87.0	30.6	107	41.7	59.7	15.4	51	10.6	1964
10	75.2	24.0	90.5	32.5	103	39.4	60.0	15.6	42	5.6	1954
11	76.5	24.7	91.2	32.9	105	40.6	61.8	16.6	51	10.6	1964
12	77.0	25.0	92.8	33.8	105	40.6	61.2	16.2	49	9.4	1951
13	79.4	26.3	94.7	34.8	108	42.2	64.0	17.8	54	12.2	1950
14	79.5	26.4	94.6	34.8	109	42.8	64.4	18.0	55	12.8	1962
15	79.7	26.5	94.2	34.6	107	41.7	65.1	18.4	52	11.1	1962
16	80.8	27.1	95.2	35.1	109	42.8	66.3	19.1	56	13.3	1962
17	80.7	27.1	96.2	35.7	107	41.7	65.2	18.4	56	13.3	1953
18	81.0	27.2	96.5	35.8	106	41.1	65.5	18.6	59	15.0	1950
19	81.6	27.6	97.8	36.6	109	42.8	65.4	18.6	58	14.4	1955
20	82.2	27.9	97.7	36.5	114	45.6	66.6	19.2	53	11.7	1949
21	84.2	29.0	99.4	37.4	114	45.6	68.9	20.5	59	15.0	1949
22	83.9	28.8	99.2	37.3	114	45.6	68.5	20.3	64	17.8	1963*
23	83.6	28.7	97.9	36.6	111	43.9	69.3	20.7	56	13.3	1945
24	83.3	28.5	98.8	37.1	111	43.9	67.8	19.9	56	13.3	1963
25	83.3	28.5	98.1	36.7	109	42.8	68.5	20.3	58	14.4	1950
26	83.6	28.7	98.7	37.1	109	42.8	68.5	20.3	60	15.6	1952
27	83.4	28.6	99.1	37.3	111	43.9	67.7	19.8	54	12.2	1952
28	83.1	28.4	98.6	37.0	111	43.9	67.6	19.8	62	16.7	1953
29	82.9	28.3	98.1	36.7	108	42.2	67.6	19.8	56	13.3	1963
30	82.2	27.9	99.7	37.6	113	45.0	64.7	18.2	54	12.2	1952
31											
Monthly	79.6	26.4	94.6	34.8	114	45.6	64.6	18.1	42	5.6	1954

* ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMPERATURES MAR 1978

93104

CHINA LAKE, CALIFORNIA

1945-1964

JULY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	83.9	28.8	100.5	38.1	111	43.9	1950	1950	67.3	19.6	59	15.0	1958
2	84.4	29.1	99.7	37.6	111	43.9	1950	1950	69.1	20.6	61	16.1	1962
3	83.9	28.8	99.7	37.6	110	43.3	1950	1950	68.1	20.1	55	12.8	1956
4	83.5	28.6	99.0	37.2	109	42.8	1950	1950	68.0	20.0	59	15.0	1951
5	83.0	28.3	99.3	37.4	107	41.7	1957*	1957*	66.7	19.3	56	13.3	1955
6	83.9	28.8	99.9	37.7	109	42.8	1953	1953	67.9	19.9	58	14.4	1955
7	84.8	29.3	100.6	38.1	109	42.8	1953	1953	69.0	20.6	58	14.4	1955
8	84.9	29.4	100.8	38.2	108	42.2	1951	1951	69.0	20.6	62	16.7	1948
9	85.6	29.8	100.9	38.3	110	43.3	1958	1958	70.3	21.3	59	15.0	1948
10	86.3	30.2	101.8	38.8	111	43.9	1961*	1961*	70.8	21.6	63	17.2	1945
11	87.0	30.6	102.6	39.2	113	45.0	1959	1959	71.5	21.9	59	15.0	1955
12	87.1	30.6	102.2	39.0	112	44.4	1959	1959	71.9	22.2	63	17.2	1948*
13	87.3	30.7	102.5	39.2	109	42.8	1958	1958	72.1	22.3	62	16.7	1948
14	88.2	31.2	103.0	39.4	110	43.3	1955	1955	73.4	23.0	65	18.3	1956*
15	88.1	31.2	103.5	39.7	109	42.8	1949*	1949*	72.8	22.7	64	17.8	1957
16	87.5	30.8	103.3	39.6	111	43.9	1949	1949	71.6	22.0	63	17.2	1946
17	88.0	31.1	103.1	39.5	112	44.4	1959	1959	72.9	22.7	64	17.8	1958
18	88.0	31.1	103.1	39.5	112	44.4	1959	1959	72.9	22.7	63	17.2	1963*
19	88.3	31.3	102.9	39.4	113	45.0	1959	1959	73.6	23.1	63	17.2	1962
20	88.5	31.4	102.5	39.2	111	43.9	1959	1959	74.4	23.6	67	19.4	1962*
21	88.2	31.2	102.7	39.3	110	43.3	1959	1959	73.6	23.1	66	18.9	1957
22	87.8	31.0	102.6	39.2	110	43.3	1953	1953	72.9	22.7	63	17.2	1949
23	88.0	31.1	102.6	39.2	109	42.8	1959*	1959*	73.4	23.0	62	16.7	1957
24	87.6	30.9	101.1	38.4	111	43.9	1959	1959	74.1	23.4	62	16.7	1958
25	86.6	30.3	101.3	38.5	111	43.9	1959	1959	71.8	22.1	61	16.1	1948
26	87.3	30.7	101.7	38.7	111	43.9	1959	1959	72.8	22.7	65	18.3	1949
27	88.2	31.2	102.6	39.2	111	43.9	1959	1959	73.8	23.2	65	18.3	1957
28	88.0	31.1	102.1	38.9	109	42.8	1959	1959	73.9	23.3	61	16.1	1948
29	87.8	31.0	102.2	39.0	108	42.2	1959	1959	73.3	22.9	64	17.8	1955*
30	87.0	30.6	101.7	38.7	107	41.7	1954	1954	72.3	22.4	64	17.8	1963
31	86.8	30.4	101.7	38.7	109	42.8	1954	1954	71.8	22.1	60	15.6	1962
Monthly	86.6	30.3	101.7	38.7	113	45.0	1959	1959	71.5	21.9	55	12.8	1956

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

93104

CHINA LAKE, CALIFORNIA

1945-1964

AUGUST

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	DATE	
1	87.7	30.9	102.0	38.9	109	42.8	1959	73.5	23.1	67	19.4	1956
2	87.0	30.6	101.7	38.7	107	41.7	1957*	72.3	22.4	64	17.8	1953
3	86.9	30.5	102.2	39.0	108	42.2	1958*	71.7	22.1	60	15.6	1956
4	85.3	29.6	100.3	37.9	109	42.8	1949	70.2	21.2	57	13.9	1953
5	84.6	29.2	99.8	37.7	108	42.2	1958*	69.3	20.7	59	15.0	1956
6	84.6	29.2	100.5	38.1	107	41.7	1958	68.6	20.3	57	13.9	1950
7	85.6	29.8	100.9	38.3	108	42.2	1960*	70.2	21.2	60	15.6	1957
8	85.2	29.6	99.8	37.7	107	41.7	1960	70.7	21.5	62	16.7	1957*
9	86.2	30.1	100.3	37.9	106	41.1	1958	72.1	22.3	63	17.2	1949
10	85.9	29.9	101.0	38.3	109	42.8	1958	70.8	21.6	62	16.7	1962*
11	85.3	29.6	100.7	38.2	110	43.3	1958	69.9	21.1	58	14.4	1948
12	85.2	29.6	101.2	38.4	110	43.3	1958	69.2	20.7	56	13.3	1949
13	85.3	29.6	101.0	38.3	107	41.7	1962*	69.6	20.9	60	15.6	1948
14	85.6	29.8	100.6	38.1	109	42.8	1951	70.6	21.4	61	16.1	1948
15	84.1	28.9	99.7	37.6	107	41.7	1951	68.4	20.2	59	15.0	1954*
16	84.0	28.9	100.2	37.9	107	41.7	1957*	67.7	19.8	54	12.2	1954
17	84.8	29.3	100.5	38.1	109	42.8	1957	69.1	20.6	57	13.9	1954
18	84.7	29.3	100.4	38.0	109	42.8	1957*	69.0	20.6	59	15.0	1953*
19	85.0	29.4	100.1	37.8	110	43.3	1950	69.9	21.1	60	15.6	1949
20	84.1	28.9	99.8	37.7	108	42.2	1950	68.3	20.2	58	14.4	1948
21	84.0	28.9	99.3	37.4	108	42.2	1950	68.7	20.4	56	13.3	1959
22	82.7	28.2	97.6	36.4	105	40.6	1952	67.8	19.9	57	13.9	1947
23	83.3	28.5	98.3	36.8	106	41.1	1956	68.2	20.1	57	13.9	1960
24	83.2	28.4	98.5	36.9	105	40.6	1945	68.0	20.0	59	15.0	1960*
25	83.2	28.4	98.2	36.8	104	40.0	1958	68.1	20.1	58	14.4	1960
26	82.0	27.8	97.6	36.4	104	40.0	1958*	66.3	19.1	59	15.0	1963*
27	81.4	27.4	96.8	36.0	106	41.1	1950	66.0	18.9	58	14.4	1955
28	81.5	27.5	96.7	35.9	108	42.2	1950	66.3	19.1	58	14.4	1960*
29	80.6	27.0	96.2	35.7	108	42.2	1950	64.9	18.3	60	15.6	1947
30	80.6	27.0	97.3	36.3	108	42.2	1950	63.9	17.7	53	11.7	1953
31	81.3	27.4	98.0	36.7	107	41.7	1950	64.5	18.1	54	12.2	1957
Monthly	84.2	29.0	99.6	37.6	110	43.3	1958*	68.9	20.5	53	11.7	1953

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION 93104 CHINA LAKE, CALIFORNIA 1945-1964 SEPTEMBER MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		EXTREME		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	83.1	28.4	98.7	37.1	110	43.3	67.5	19.7	57	13.9	57	13.9	1957
2	82.5	28.1	99.0	37.2	110	43.3	66.0	18.9	52	11.1	52	11.1	1964
3	83.3	28.5	99.7	37.6	106	41.1	67.0	19.4	54	12.2	54	12.2	1964
4	83.0	28.3	99.1	37.3	107	41.7	66.9	19.4	56	13.3	56	13.3	1961
5	82.2	27.9	98.7	37.1	108	42.2	65.7	18.7	58	14.4	58	14.4	1961
6	81.7	27.6	98.3	36.8	110	43.3	65.1	18.4	60	15.6	60	15.6	1964*
7	81.6	27.6	97.3	36.3	109	42.8	65.8	18.8	56	13.3	56	13.3	1964*
8	80.6	27.0	97.3	36.3	106	41.1	63.9	17.7	54	12.2	54	12.2	1946
9	80.9	27.2	97.3	36.3	103	40.6	64.6	18.1	57	13.9	57	13.9	1946
10	80.3	26.8	96.7	35.9	106	41.1	63.9	17.7	55	12.8	55	12.8	1952
11	80.4	26.9	96.4	35.8	105	40.6	64.3	17.9	48	8.9	48	8.9	1952
12	80.4	26.9	95.6	35.3	105	40.6	65.1	18.4	48	8.9	48	8.9	1952
13	79.3	26.3	95.3	35.2	105	40.6	63.3	17.4	52	11.1	52	11.1	1952
14	79.4	26.3	95.5	35.3	103	39.4	63.4	17.4	54	12.2	54	12.2	1958
15	78.8	26.0	94.6	34.8	103	39.4	62.9	17.2	55	12.8	55	12.8	1959
16	76.8	24.9	92.2	33.4	104	40.0	61.4	16.3	52	11.1	52	11.1	1959
17	75.0	23.9	89.1	31.7	103	39.4	60.9	16.1	52	11.1	52	11.1	1952
18	74.7	23.7	89.7	32.1	102	38.9	59.6	15.3	51	10.6	51	10.6	1950
19	74.5	23.6	89.5	31.9	102	38.9	59.4	15.2	46	7.8	46	7.8	1947
20	74.5	23.6	90.2	32.3	102	38.9	58.8	14.9	49	9.4	49	9.4	1946
21	74.5	23.6	90.0	32.2	103	39.4	59.0	15.0	54	12.2	54	12.2	1954*
22	74.8	23.8	90.7	32.6	106	41.1	58.9	14.9	49	9.4	49	9.4	1953
23	75.0	23.9	91.2	32.9	103	39.4	58.8	14.9	48	8.9	48	8.9	1945
24	75.9	24.4	91.3	32.9	100	37.8	60.4	15.8	49	9.4	49	9.4	1945
25	75.7	24.3	92.3	33.5	101	38.3	59.1	15.1	48	8.9	48	8.9	1958
26	75.7	24.3	92.2	33.4	101	38.3	59.2	15.1	40	4.4	40	4.4	1948
27	75.0	23.9	91.2	32.9	100	37.8	58.7	14.8	40	4.4	40	4.4	1948
28	74.9	23.8	91.3	32.9	102	38.9	58.5	14.7	46	7.8	46	7.8	1953
29	74.7	23.7	90.1	32.3	100	37.8	59.3	15.2	47	8.3	47	8.3	1949
30	73.3	22.9	89.7	32.1	99	37.2	56.8	13.8	48	8.9	48	8.9	1945
31													
Monthly	78.1	25.6	94.0	34.4	110	43.3	62.2	16.8	40	4.4	40	4.4	1948

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

93104

CHINA LAKE, CALIFORNIA

1945-1964

OCTOBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	° F	° C	° F	° C	° F	° C			° F	° C	° F	° C		
1	72.3	22.4	88.7	31.5	98	36.7	1952		55.8	13.2	49	9.4	1955*	
2	71.9	22.2	88.3	31.3	99	37.2	1963*		55.6	13.1	41	5.0	1950	
3	71.8	22.1	87.8	31.0	97	36.1	1964*		55.8	13.2	41	5.0	1950	
4	71.1	21.7	87.3	30.7	100	37.8	1964		54.9	12.7	46	7.8	1957	
5	71.1	21.7	86.2	30.1	98	36.7	1964		56.0	13.3	43	6.1	1957	
6	70.7	21.5	86.0	30.0	98	36.7	1964		55.4	13.0	44	6.7	1951	
7	68.8	20.4	83.9	28.6	96	35.6	1964		53.8	12.1	43	6.1	1957	
8	68.7	20.4	83.6	28.7	94	34.4	1964		53.8	12.1	47	8.3	1957*	
9	68.6	20.3	84.8	29.3	93	33.9	1958		52.4	11.3	39	3.9	1949	
10	68.8	20.4	84.9	29.4	94	34.4	1950		52.6	11.4	40	4.4	1961*	
11	67.3	19.6	82.0	27.8	94	34.4	1959*		52.5	11.4	44	6.7	1961*	
12	67.2	19.6	83.6	28.7	95	35.0	1958*		50.7	10.4	41	5.0	1960*	
13	68.1	20.1	83.4	28.6	95	35.0	1950		52.8	11.6	43	6.1	1951	
14	68.2	20.1	83.7	28.7	95	35.0	1950		52.6	11.4	45	7.2	1959*	
15	68.5	20.3	83.5	28.6	95	35.0	1958		53.4	11.9	45	7.2	1962	
16	68.6	20.3	82.7	28.2	94	34.4	1958		54.5	12.5	44	6.7	1953	
17	67.8	19.9	82.5	28.1	95	35.0	1958		53.2	11.8	38	3.3	1946	
18	66.5	19.2	80.9	27.2	92	33.3	1959		52.0	11.1	40	4.4	1946	
19	64.8	18.2	78.6	25.9	90	32.2	1964		50.9	10.5	39	3.9	1946	
20	64.2	17.9	80.2	26.8	88	31.1	1950*		48.2	9.0	36	2.2	1949	
21	63.0	17.2	78.5	25.8	90	32.2	1954*		47.5	8.6	34	1.1	1949	
22	63.0	17.2	79.7	26.5	88	31.1	1962*		46.3	7.9	36	2.2	1957	
23	63.5	17.5	78.4	25.8	97	36.1	1959		48.5	9.2	33	0.6	1949	
24	62.5	16.9	77.8	25.4	95	35.0	1959		47.1	8.4	35	1.7	1953	
25	62.1	16.7	78.7	25.9	92	33.3	1959		45.6	7.6	33	0.6	1956	
26	63.2	17.3	78.0	25.6	88	31.1	1959		48.4	9.1	38	3.3	1956	
27	63.0	17.2	77.6	25.3	87	30.6	1962		48.3	9.1	40	4.4	1961	
28	61.2	16.2	74.9	23.8	87	30.6	1962		47.4	8.6	38	3.3	1954	
29	60.1	15.6	73.9	23.3	86	30.0	1952		46.4	8.0	33	0.6	1946	
30	59.8	15.4	74.3	23.5	86	30.0	1962*		45.2	7.3	32	0.0	1946	
31	60.2	15.7	74.6	23.7	86	30.0	1962		45.7	7.6	35	1.7	1946	
Monthly	66.3	19.1	81.6	27.6	100	37.8	1964		51.1	10.6	32	0.0	1946	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMPERATURES MAR 1978

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

1945-1964
YEARS

NOVEMBER
MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	58.4	14.7	74.4	23.6	86	30.0	42.4	5.8	29	-1.7	1962
2	59.0	15.0	73.4	23.0	85	29.4	44.6	7.0	33	0.6	1950*
3	59.3	15.2	73.3	22.9	85	29.4	45.4	7.4	34	1.1	1950*
4	57.3	14.1	73.7	23.2	85	29.4	40.9	4.9	28	-2.2	1949
5	57.5	14.2	72.0	22.2	84	28.9	42.9	6.1	30	-1.1	1949
6	56.2	13.4	71.8	22.1	83	28.3	40.7	4.8	30	-1.1	1949
7	56.6	13.7	72.0	22.2	82	27.8	41.2	5.1	32	0.0	1958*
8	55.1	12.8	70.7	21.5	83	28.3	39.4	4.1	30	-1.1	1950
9	55.3	12.9	71.6	22.0	84	28.9	39.0	3.9	24	-4.4	1958
10	54.9	12.7	70.2	21.2	81	27.2	39.6	4.2	25	-3.9	1955
11	54.4	12.4	68.7	20.4	81	27.2	40.1	4.5	27	-2.8	1956
12	53.6	12.0	67.3	19.6	77	25.0	39.9	4.4	24	-4.4	1956
13	53.4	11.9	66.8	19.3	77	25.0	39.9	4.4	32	0.0	1956
14	53.2	11.8	65.7	18.7	76	24.4	40.7	4.8	30	-1.1	1949
15	50.4	10.2	63.2	17.3	77	25.0	37.5	3.1	31	-0.6	1949
16	49.7	9.8	63.6	17.6	80	26.7	35.7	2.1	26	-3.3	1949
17	49.8	9.9	63.4	17.4	81	27.2	36.1	2.3	22	-5.6	1949
18	49.0	9.4	63.6	17.6	83	28.3	34.4	1.3	21	-6.1	1949
19	49.8	9.9	64.6	18.1	81	27.2	35.0	1.7	24	-4.4	1949
20	50.7	10.4	64.4	18.0	81	27.2	36.9	2.7	25	-3.9	1950
21	50.6	10.3	64.2	17.9	77	25.0	36.9	2.7	23	-5.0	1950*
22	49.2	9.6	63.4	17.4	79	26.1	35.1	1.7	25	-3.9	1949
23	49.7	9.8	64.9	18.3	79	26.1	34.6	1.4	26	-3.3	1949
24	49.8	9.9	66.3	19.1	81	27.2	33.4	0.8	22	-5.6	1949
25	51.6	10.9	67.5	19.7	78	25.6	35.6	2.0	23	-5.0	1954*
26	51.2	10.7	66.1	18.9	80	26.7	36.4	2.4	25	-3.9	1949
27	51.0	10.6	66.5	19.2	79	26.1	35.5	1.9	25	-3.9	1949
28	49.6	9.8	66.2	19.0	76	24.4	33.1	0.6	22	-5.6	1949
29	48.8	9.3	64.4	18.0	80	26.7	33.1	0.6	20	-6.7	1949
30	48.4	9.1	64.3	17.9	76	24.4	32.5	0.3	20	-6.7	1953*
31											
Monthly	52.8	11.6	67.6	19.8	86	30.0	37.9	3.3	20	-6.7	1962

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5 DAILY AVERAGE/EXTREME TEMP MAR 1978

STATION 93104 CHINA LAKE, CALIFORNIA 1945-1964 YEARS MONTH DECEMBER

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	48.9	9.4	63.4	17.4	75	23.9	34.4	1.3	22	-5.6	1957
2	47.7	8.7	62.1	16.7	75	23.9	33.3	0.7	22	-5.6	1945
3	46.4	8.0	61.2	16.2	73	22.8	31.7	-0.2	20	-6.7	1957
4	47.6	8.7	60.4	15.8	73	22.8	34.7	1.5	28	-2.2	1957*
5	46.3	7.9	59.6	15.3	75	23.9	33.1	0.6	18	-7.8	1948
6	45.6	7.6	59.1	15.1	71	21.7	32.1	0.1	23	-5.0	1953
7	45.9	7.7	59.5	15.3	70	21.1	32.4	0.2	21	-6.1	1959
8	44.6	7.0	57.5	14.2	74	23.3	31.7	-0.2	21	-6.1	1951
9	44.9	7.2	59.2	15.1	72	22.2	30.6	-0.8	15	-9.4	1956*
10	44.2	6.8	58.3	14.6	70	21.1	30.1	-1.1	17	-8.3	1956
11	45.4	7.4	59.6	15.3	71	21.7	31.2	-0.4	24	-4.4	1947
12	44.6	7.0	59.6	15.3	75	23.9	29.5	-1.4	19	-7.2	1949
13	44.9	7.2	59.7	15.4	68	20.0	30.0	-1.1	21	-6.1	1949
14	45.7	7.6	59.4	15.2	69	20.6	31.9	-0.1	20	-6.7	1945
15	45.7	7.6	59.3	15.2	69	20.6	32.1	0.1	23	-5.0	1948
16	45.9	7.7	60.1	15.6	70	21.1	31.8	-0.1	25	-3.9	1958*
17	45.5	7.5	59.1	15.1	67	19.4	31.9	-0.1	22	-5.6	1945
18	46.1	7.8	59.7	15.4	66	18.9	32.4	0.2	21	-6.1	1956
19	44.9	7.2	59.1	15.1	66	18.9	30.8	-0.7	20	-6.7	1945
20	43.8	6.6	57.4	14.1	70	21.1	30.2	-1.0	20	-6.7	1956
21	43.4	6.3	56.9	13.8	68	20.0	29.8	-1.2	18	-7.8	1949
22	45.7	7.6	59.2	15.1	75	23.9	32.3	0.2	20	-6.7	1951
23	44.1	6.7	58.0	14.4	69	20.6	30.2	-1.0	21	-6.1	1956
24	44.0	6.7	57.5	14.2	68	20.0	30.5	-0.8	14	-10.0	1948
25	43.6	6.4	57.6	14.2	67	19.4	29.5	-1.4	13	-10.6	1948
26	43.9	6.6	58.4	14.7	67	19.4	29.4	-1.4	18	-7.8	1962
27	43.7	6.5	58.5	14.7	66	18.9	28.8	-1.8	8	-13.3	1962
28	43.5	6.4	56.8	13.8	70	21.1	30.2	-1.0	18	-7.8	1962
29	43.1	6.2	57.4	14.1	66	18.9	28.8	-1.8	19	-7.2	1954*
30	42.6	5.9	57.2	14.0	66	18.9	28.1	-2.2	19	-7.2	1953
31	41.9	5.5	54.9	12.7	65	18.3	28.9	-1.7	19	-7.2	1953
Monthly	45.0	7.2	58.9	14.9	75	23.9	31.0	-0.6	8	-13.3	1962

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

2

MAXIMUM TEMPERATURE
FROM DAILY OBSERVATIONS

FROM DAILY OBSERVATIONS)

STATION
93104

CHINA LAKE, CALIFORNIA

STATION NAME

45-64

YEARS

WHOLE DEGREES FAHRENHEIT

	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45				95	96		108	105	104	92	84	64	
46	75	77	76	92	94	99	102	108	100	84	70	68	108
47	70	75	83	93	100	104	106	106	109	96	78	66	109
48	77	76	75	92	97	113	109	107	108		60	63	
49	59	70	77	97	100	108	111	109	107	93	85	75	111
50		78	84	96	105	110	111	110	110	95	83		
51	73	80	81	92	107	108		109	106	92	79	67	
52	66	72	80	89	101	100	108	108	105	99	78	68	108
53	73	75	82	93	89	106	110	106	103	93	82	68	110
54	74	80	79	95		114	109	107	99	93	76	62	
55	64	70	80	83	97	110	110	107	110	92	81	75	110
56	70	72	86	89	98	111	107	106	103	91	83	71	111
57	61	79	83	86	97	110	108	109	106	86	73	69	110
58	69	76	74	93	98	107	111	110	108	96	84	75	111
59	72	72	83	96	96	111	113	109	105	97	76	72	113
60	65	78	85	90	99	105	111	108	102	90	85	67	111
61	71	75	82	96	90	114	112	106	101	94	75	65	114
62	77	75	83	93	93	102	103	107	101	93	86	72	107
63	66	81	78	86	97	101	104	104	102	99	79	67	104
64	68	75	82	89	94	105	108	104	97	100			
MEAN	69.4	75.6	80.7	91.8	97.3	107.3	108.5	107.3	104.3	93.4	80.2	68.7	109.8
S. D.	5.182	3.305	3.400	3.823	4.420	4.629	3.025	1.803	3.729	4.100	4.324	3.896	2.517
TOTAL OBS.	558	537	589	600	589	570	589	620	600	589	570	558	6969

5723 Extreme Values Jan 1969

NAVWEASERVCOM

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

NAVWEASERVCOM

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

93104 CHINA LAKE, CALIFORNIA 45-54 YEARS

STATION NAME

WHOLE DEGREES FAHRENHEIT

5723 Extreme Values Jan 1969

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
43				29	44		63	54	48	38	22	20	
46	20	20	32	34	50	54	63	60	49	32	28	27	20
47	19	28	35	39	48	55	61	56	46	46	22	22	19
48	13	14	22	30	40	50	59	58	40		21	13	
49	11	16	32	43	45	53	61	56	45	33	33	18	11
50		19	24	35	42	51	64	57	51	41	24		
51	19	18	28	36	41	49		59	55	37	23	15	
52	11	26	27	40	47	51	61	62	48	40	20	23	11
53	24	18	24	28	38	43	60	53	46	35	28	15	15
54	17	32	26	38		42	67	54	53	37	31	19	
55	22	20	26	30	40	49	56	58	49	39	25	20	20
56	24	21	27	34	45	52	55	58	56	33	23	15	15
57	16	23	37	36	47	56	62	54	52	36	20	20	16
58	24	33	30	36	49	53	59	64	48	37	21	22	21
59	18	26	35	46	45	55	64	56	51	43	26	21	18
60	19	27	33	36	47	59	66	57	53	41	28	24	19
61	19	30	31	39	49	52	63	61	50	39	25	23	19
62	20	22	29	44	44	52	60	62	54	45	31	8	8
63	6	39	30	34	41	55	59	59	56	46	33	23	6
64	22	26	31	36	38	49	58	61	52	44			
MEAN	18.0	24.1	29.4	36.2	44.2	51.6	61.1	58.0	50.1	39.1	25.5	19.3	15.6
S.D.	4.994	6.454	4.100	4.859	3.780	4.141	3.125	3.069	4.051	4.365	4.299	4.640	4.815
TOTAL OBS.	558	537	589	600	589	570	589	620	600	589	570	558	6969

MINIMUM TEMPERATURE
FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
03104	CHINA LAKE, CALIFORNIA	65-66

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

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5723 Extreme Values Jan 1969

PSYCHROMETRIC SUMMARY

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FEB

MONTH

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HOURS (L.S.T.)

73-77

CHINA LAKE, CALIFORNIA

93104

STATION NAME

STATION

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL	D.B./W.B.	TOTAL		Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb			Wet Bulb		
80/ 79																.2	.2	3	3				
78/ 77																.3		2	2				
76/ 75														.2	1.7			12	12				
74/ 73												.3	.8	.6				11	11				
72/ 71											.2	.5	.6	.3				10	10				
70/ 69											.2	.5	.2					9	9				
68/ 67											.6	.3	1.1	.2				15	15				
66/ 65										.5	.6	2.6	1.1					34	34				
64/ 63										.9	.9	.8	.5					27	27				
62/ 61			.2				.2	.2	1.1	1.4	2.6	.8						48	48				
60/ 59							.3	.3	.8	1.7	2.6	.3						52	52				
58/ 57					.5	.3	.3	.6	2.5	1.4	1.4	.2						47	47	1			
56/ 55					.5	.5	1.6	1.2	2.2	1.2	.6							50	50	1			
54/ 53					.5	.6	1.6	2.2	1.1	.9								44	44	8			
52/ 51					.9	.3	1.1	1.1	1.6	.6								37	37	20			
50/ 49		.2	.3	.8	.2	.2	2.5	3.0	.6	.3								50	50	2			
48/ 47	.2	1.1	.3	.5	2.3	.9	.5	.3										39	39	61			
46/ 45	.2	.5	.3	.3	1.4	.9	.6	.2										28	28	80			
44/ 43		.3	.3	.3	.3	.3	.2											11	11	99			
42/ 41	.2	.3	.3	.5	.5	.2	.5											10	10	71			
40/ 39		.8	.3	.3	1.1	.2	.2											18	18	72			
38/ 37	.2	.8	.3	.5	1.2													19	19	52			
36/ 35	.2	1.1	1.1	.9		.2												22	22	24			
34/ 33		.6	.5	.8														12	12	27			
32/ 31		.6	.6	.5	.3													13	13	25			
30/ 29		.5	1.6	.3	.2													16	16	30			
28/ 27			.2	.2														4	4	45			
26/ 25			.2															1	1	68			
24/ 23																		6	6	39			
22/ 21																				54			
20/ 19																				43			
18/ 17																				56			
16/ 15																				48			
14/ 13																				33			
																				29			
Element (X)																	Mean No. of Hours with Temperature				Total		
Rel. Hum.																	≤ 0 F	≥ 32 F	≥ 67 F	≥ 93 F	Total		
Dry Bulb																							
Wet Bulb																							
Dew Point																							

NAWWEASERVCOM

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PSYCHROMETRIC SUMMARY

MAR

MONTH

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HOURS (L.S.T.)

73-77

YEARS

CHINA LAKE, CALIFORNIA

STATION NAME

93104

STATION

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
82/ 81																		2	7	2	
80/ 79																		7	7	7	
78/ 77																		4	4	4	
76/ 75																		17	17	17	
74/ 73																		15	15	15	
72/ 71																		19	19	19	
70/ 69																		29	29	29	
68/ 67																		41	41	41	
66/ 65																		45	45	45	
64/ 63																		42	42	42	
62/ 61																		40	40	40	
60/ 59																		46	46	46	
58/ 57																		45	45	45	
56/ 55																		50	50	50	
54/ 53																		45	45	45	
52/ 51																		48	48	48	
50/ 49																		40	40	40	
48/ 47																		34	34	34	
46/ 45																		25	25	25	
44/ 43																		13	13	13	
42/ 41																		29	29	29	
40/ 39																		25	25	25	
38/ 37																		10	10	10	
36/ 35																		10	10	10	
34/ 33																		7	7	7	
32/ 31																		2	2	2	
30/ 29																		5	5	5	
28/ 27																		3	3	3	
26/ 25																					
24/ 23																					
22/ 21																					
20/ 19																					
18/ 17																					
16/ 15																					
Element (X)																	Mean No. of Hours with Temperature		Total		
Rel. Hum.																	≥ 73 F		≥ 80 F		
Dry Bulb																	≥ 93 F				
Wet Bulb																					
Dew Point																					

PSYCHROMETRIC SUMMARY

93104 CHINA LAKE, CALIFORNIA

73-77

APR

STATION NAME

YEARS

PAGE 1

HOURS (L.S.T.)

107N 2097.54321

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL Wet Bulb	Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31		
90/ 89																	.3	4	4
88/ 87																	.7	9	9
86/ 85																	.9	15	15
84/ 83																	.4	17	17
82/ 81																	.1	21	21
80/ 79																	.6	25	25
78/ 77																	.1	39	39
76/ 75																	.1	30	30
74/ 73																		35	35
72/ 71																		38	38
70/ 69																		57	57
68/ 67																		35	35
66/ 65																		43	43
64/ 63																		42	42
62/ 61																		32	32
60/ 59																		35	35
58/ 57																		41	41
56/ 55																		32	32
54/ 53																		39	39
52/ 51																		34	34
50/ 49																		16	16
48/ 47																		13	13
46/ 45																		15	15
44/ 43																		12	12
42/ 41																		4	4
40/ 39																		3	3
38/ 37																		3	3
36/ 35																		16	16
34/ 33																		13	13
32/ 31																		8	8
30/ 29																		3	3
28/ 27																		46	46
26/ 25																		54	54
24/ 23																		63	63
22/ 21																		57	57
20/ 19																		19	19
18/ 17																		37	37
16/ 15																		69	69
14/ 13																		82	82
12/ 11																		86	86
10/ 9																		84	84
8/ 7																		86	86
6/ 5																		82	82
4/ 3																		1	1
2/ 1																		3	3
0/ 0																		1	1

Mean No. of Hours with Temperature

No. Obs.

σ_x

\bar{x}

Σx

Σx^2

Element (X)

Ref. Hum.

Dry Bulb

Wet Bulb

Dew Point

Total

NAWWEASERVCOM

93104

CHINA LAKE, CALIFORNIA

73-77

APR

STATION

STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE

YEARS

MONTH

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HOURS (L.S.T.)

14278 2097-54321

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JAN 68

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NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

93104

CHINA LAKE, CALIFORNIA

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STATION NAME

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CHINA LAKE, CALIFORNIA

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STATION NAME

93104

CHINA LAKE, CALIFORNIA

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STATION NAME

93104

CHINA LAKE, CALIFORNIA

73-77

STATION NAME

93104

CHINA LAKE, CALIFORNIA

73-77

STATION NAME

93104

CHINA LAKE, CALIFORNIA

73-77

STATION NAME

93104

CHINA LAKE, CALIFORNIA

73-77

STATION NAME

93104

CHINA LAKE, CALIFORNIA

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STATION NAME

93104

CHINA LAKE, CALIFORNIA

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STATION NAME

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CHINA LAKE, CALIFORNIA

73-77

STATION NAME

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30		≥ 31	Dry Bulb	Wet Bulb
102/101																		2	2	
100/ 99																	.7	5		
98/ 97																	1.3	9		
96/ 95																	1.9	14		
94/ 93																.1	2.7	22		
92/ 91																.6	4.2	37		
90/ 89																.6	1.9	39		
88/ 87																.8	2.5	50		
86/ 85																.1	2.5	50		
84/ 83																.7	1.6	41		
82/ 81																.9	1.9	30		
80/ 79																.4	1.1	33		
78/ 77																.7	1.9	45		
76/ 75																.1	2.7	29		
74/ 73																.3	1.3	32		
72/ 71																.7	1.2	32		
70/ 69																.1	1.2	37		
68/ 67																.9	1.0	24		
66/ 65																.4	1.0	36		
64/ 63																.6	.6	23		
62/ 61																.9	.3	24		
60/ 59																.4	.6	24		
58/ 57																.1	.3	17		
56/ 55																.6	.4	20		
54/ 53																.7	.4	13		
52/ 51																.6	.6	9		
50/ 49																.1	.1	10		
48/ 47																.6	.1	7		
46/ 45																.3	.1	62		
44/ 43																.3	.1	56		
42/ 41																.1	.1	41		
40/ 39																.3	.1	25		
38/ 37																.1	.1	24		
36/ 35																.1	.1	10		

Element (X)	Σ X ²	Σ X	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature				Total
Ref. Hum.						≤ 0 F	≥ 32 F	≥ 67 F	≥ 80 F	≥ 93 F
Dry Bulb										
Wet Bulb										
Dew Point										

PSYCHROMETRIC SUMMARY

STATION	93104
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STATION NAME
CHINA LAKE, CALIFORNIA

73-77

STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE

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HOURS (L.S.T.)

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PSYCHROMETRIC SUMMARY

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HOURS (L.S.T.)

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YEARS

CHINA LAKE, CALIFORNIA

STATION NAME

93104

STATION

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL								
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30		≥ 31	Dry Bulb	Wet Bulb	Dew Point					
110/109																	.3	2	2							
108/107																	.9	6	6							
106/105																	3.3	22	22							
104/103																	3.8	25	25							
102/101																	3.5	23	23							
100/ 99																.2	6.1	41	41							
98/ 97																.2	7.3	49	49							
96/ 95																.8	5.6	42	42							
94/ 93																1.2	6.1	51	51							
92/ 91																1.1	4.7	47	47							
90/ 89																1.2	3.3	41	41							
88/ 87																1.2	1.7	40	40							
86/ 85																1.4	.8	34	34							
84/ 83											.2	.3				.6	.3	18	18							
82/ 81											.3	.6	.9	1.8	.5	.3	.3	31	31							
80/ 79						.2					1.2	.3	2.1	.6	.2	.2	.2	35	35							
78/ 77											.2	.8	1.4	.5	.2	.2	.2	27	27							
76/ 75											.6	.3	.9	.6	.2	.2	.2	26	26							
74/ 73											.2	.3	.2	.2	.2	.2	.2	26	26							
72/ 71											.8	.3	1.2	.6	.2	.2	.2	22	22	1						
70/ 69											.9	.6	.8	.2	.2	.2	.2	20	20	9						
68/ 67											.6	.5	.3	.2	.2	.2	.2	9	9	20						
66/ 65											.3	.3	.2	.2	.2	.2	.2	11	11	40						
64/ 63											.2	.2	.2	.2	.2	.2	.2	6	6	93						
62/ 61											.2	.2	.2	.2	.2	.2	.2	2	2	115						
60/ 59											.2	.2	.2	.2	.2	.2	.2	1	1	108						
58/ 57											.2	.2	.2	.2	.2	.2	.2	1	1	84						
56/ 55											.2	.2	.2	.2	.2	.2	.2	2	2	77						
54/ 53											.2	.2	.2	.2	.2	.2	.2	49	49	2						
52/ 51											.2	.2	.2	.2	.2	.2	.2	7	7	1						
50/ 49											.2	.2	.2	.2	.2	.2	.2	28	28	11						
48/ 47											.2	.2	.2	.2	.2	.2	.2	27	27	31						
46/ 45											.2	.2	.2	.2	.2	.2	.2	6	6	36						
44/ 43											.2	.2	.2	.2	.2	.2	.2	1	1	49						
Element (X)																	ΣX	ΣX ²	Mean No. of Hours with Temperature				Total			
Rel. Hum.																			≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F		
Dry Bulb																										
Wet Bulb																										
Dew Point																										

PSYCHROMETRIC SUMMARY

93104 STATION

STATION NAME
CHINA LAKE, CALIFORNIA

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STATION NAME

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HOURS (L.S.T.)

Temp.

WET BULB TEMPERATURE DEPRESSION (F)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL			TOTAL		
																	D.B./W.B.			Wet Bulb		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
42/ 41																					55	
40/ 39																					47	
38/ 37																					41	
36/ 35																					57	
34/ 33																					59	
32/ 31																					59	
30/ 29																					38	
28/ 27																					38	
26/ 25																					33	
24/ 23																					18	
22/ 21																					15	
20/ 19																					19	
18/ 17																					9	
16/ 15																					7	
14/ 13																					5	
12/ 11																					7	
10/ 9																					4	
8/ 7																					1	
6/ 5																					1	
4/ 3																					2	
2/ 1																					1	
0/- 1																					1	
- 2/- 3																					1	
- 4 /- 5																					1	
TOTAL																		658	658	658	658	

Element (X)	ΣX ²	ΣX	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature															
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Rel. Hum.	257602	11298	17.2	9.839	658																720.0
Dry Bulb	5161918	57828	87.9	11.018	658																720.0
Wet Bulb	2315835	38915	59.1	4.673	658																720.0
Dew Point	832051	22505	34.2	9.740	658																720.0

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PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL	Dew Point			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.			Dry Bulb	Wet Bulb	
112/111																	.1	1	1	1			
110/109																	.4	3	3	3			
108/107																	2.2	13	13	13			
106/105																	4.0	27	27	27			
104/103																	6.4	43	43	43			
102/101																	6.8	46	46	46			
100/99																.4	9.2	69	69	69			
98/97																.3	6.7	52	52	52			
96/95														.1		1.3	66	66	66	66			
94/93													.4	.7	1.0	3.9	54	54	54	54			
92/91										.1			.1	.3	1.0	2.1	47	47	47	47			
90/89												.3	.6	.9	1.5	1.3	37	37	37	37			
88/87										.4		.4	.4	1.2	.7	.3	26	26	26	26			
86/85										.1	.4	.7	.6	.6	.1	.1	20	20	20	20			
84/83										.1	.1	.4	.7	.9	.4		23	23	23	23			
82/81										.3	.1	.3	.4	.7	.3	.1	24	24	24	24			
80/79										.3	.3	.4	.9	.3			19	19	19	19			
78/77										.1	.3	.9	1.3	.6			32	32	32	32			
76/75											.1	.1	1.5	.4			24	24	24	24			
74/73											.3	.6	1.0	.1			23	23	23	23			
72/71			.1								.3	.1	.3				10	10	10	10			
70/69											.3	.1	.3				5	5	5	5			
68/67											.1	.1	.1				4	4	4	4			
66/65			.1								.1	.1	.1				2	2	2	2			
64/63																	1	1	1	1			
62/61																							
60/59																							
58/57																							
56/55																							
54/53																							
52/51																							
50/49																							
48/47																							
46/45																							
Element (X)	ΣX ²	ΣX	̄X	σ _x	No. Obs.	Mean No. of Hours with Temperature											≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Ref. Hum.																							
Dry Bulb																							
Wet Bulb																							
Dew Point																							

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NAVAL WEATHER SERVICE DETACHMENT /SHEVILLE N C F/G 4/2
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS), CHINA L--ETC(U)
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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL																
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
110/109																																	1	1	1	
108/107																																1.5	10	10		
106/105																																2.9	20	20		
104/103																																2.6	18	18		
102/101																																4.4	30	30		
100/99																																7.6	52	52		
98/97																																7.8	62	62		
96/95																						.1									.6	1.3	5.4	52		
94/93																																1.0	.4	1.3	4.7	
92/91																					.1	.1	.1	.1	.6	.1					.6	1.3	2.9	41		
90/89																				.1	.1	.1	.4	.7	1.3	1.6	1.9				.6	1.3	4.3	43		
88/87																				.1	.3	.4	.4	.4	1.6	1.3	1.5	.6				.6	4.2	42		
86/85																				.3	.3	.3	1.2	1.2	1.0	.6					.6	3.0	30	30		
84/83									.1				.1							.1	.6	.6	.7	2.1	.7	.3					.3	3.3	33	33		
82/81											.1		.1							.4	.4	.1	1.3	.4	.1						.1	2.2	22	22		
80/79							.1			.1	.3	.1	.1						.3	.9	1.2	.7	.7	.1							.1	2.7	27	27		
78/77														.3	.6	.6	.7	1.6	.9	.9	.7	.7	.3									3.3	33	33		
76/75								.1						.1	.1	.1	.1	.7	.4	.3	.3	.4	.3									1.4	14	14		
74/73		.1	.1											.3	.6	1.3	.6	.6	.3	.3	.7	.1	.1									2.4	24	24		
72/71		.1	.1									.1	.1	.1	.4	.4	.4	.9	.7	.1	.1	.1										2.2	22	22		
70/69		.3											.1	.1	.1	.7	.7	.7	.6	.6	.6											1.8	18	18		
68/67													.1	.4	1.2	.3		.3														1.4	14	14		
66/65										.1		.6	.4	.1	.1	.4	.1	.4														1.2	12	12		
64/63												.1	.1	.1	.1																	2	2	2	78	
62/61												.1	.1	.1																		4	4	4	111	
60/59									.3		.1	.1	.1																			2	2	2	117	
58/57										.1																							1	1	1	76
56/55																																			44	44
54/53																																			34	34
52/51																																			24	24
50/49																																			9	9
48/47																																			6	6
46/45																																				
44/43																																				
Element (X)	ΣX																	\bar{X}	σ_x	Mean No. of Hours with Temperature				Total												
Rel. Hum.																				≥ 80 F				≥ 93 F												
Dry Bulb																				≥ 73 F																
Wet Bulb																				≥ 67 F																
Dew Point																																				

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		Dew Point						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
42/ 41																					52
40/ 39																					64
38/ 37																					68
36/ 35																					50
34/ 33																					45
32/ 31																					44
30/ 29																					37
28/ 27																					24
26/ 25																					18
24/ 23																					4
22/ 21																					9
20/ 19																					6
18/ 17																					2
16/ 15																					3
14/ 13																					3
12/ 11																					3
10/ 9																					2
TOTAL																		681	681	681	681

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total	
						$\leq 0^\circ \text{F}$	$\leq 32^\circ \text{F}$	$\geq 67^\circ \text{F}$	$\geq 73^\circ \text{F}$	$\geq 80^\circ \text{F}$	$\geq 93^\circ \text{F}$		
Rel. Hum.	410323	14187	20.8	12.991	681								
Dry Bulb	3418552	60280	88.5	11.031	681								
Wet Bulb	2559210	41604	61.1	5.075	681								
Dew Point	1128998	26902	39.5	9.872	681								

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		Wet Bulb	Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb			
108/107																	.2	1	1			
106/105																	.2	1	1			
104/103																	.5	3	3			
102/101																	2.8	18	18			
100/99																	2.8	17	17			
98/97																	4.6	31	31			
96/95																	3.2	28	28			
94/93																	3.6	36	36			
92/91																	4.5	47	47			
90/89																	1.9	49	49			
88/87																	.8	51	51			
86/85																	.3	53	53			
84/83																	.9	36	36			
82/81																	.2	27	27			
80/79																	.2	32	32			
78/77																	.6	28	28			
76/75																	.2	33	33			
74/73																	.6	19	19			
72/71																	.2	18	18			
70/69																	.3	21	21			
68/67																	.6	26	26			
66/65																	.3	27	27			
64/63																	.5	20	20			
62/61																	.2	9	9			
60/59																	.3	7	7			
58/57																	.2	6	6			
56/55																	.2	2	2			
54/53																	.2	1	1			
52/51																	.2	23	23			
50/49																	.2	13	13			
48/47																	.2	15	15			
46/45																	.2	6	6			
44/43																	.2	5	5			
42/41																	.2	54	54			
Element (X)																	Mean No. of Hours with Temperature					
Rel. Hum.																	≤ 0 F	≤ 32 F	≥ 67 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																						
Wet Bulb																						
Dew Point																						

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	Dry Bulb	Wet Bulb	TOTAL Dew Point		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31							
94/ 93																.1	.3	.9	6	6				
92/ 91																	.3	.9	9	9				
90/ 89																	.3	1.9	16	16				
88/ 87																	.4	1.9	26	26				
86/ 85																	.7	2.1	41	41				
84/ 83																	1.9	1.0	29	29				
82/ 81																	1.3	.7	24	24				
80/ 79																	1.0	.9	27	27				
78/ 77																	.3	.3	49	49				
76/ 75																	2.4	.7	40	40				
74/ 73																	1.5	.3	49	49				
72/ 71																	2.1	.1	45	45				
70/ 69																	.9	.6	30	30				
68/ 67																	.9	.9	34	34				
66/ 65																	.6	.6	31	31	3			
64/ 63																	.7	.1	29	29	5			
62/ 61																	.6	.6	18	18	16			
60/ 59																	.4	.4	28	28	38			
58/ 57																	.3	.3	27	27	78			
56/ 55																	.4	.4	24	24	90			
54/ 53																	.9	.9	29	29	84			
52/ 51																	.6	.6	16	16	74			
50/ 49																	.1	.1	9	9	59			
48/ 47																	.4	.4	5	5	52			
46/ 45																	.3	.3	8	8	57			
44/ 43																	.3	.3	5	5	33			
42/ 41																	.1	.1	9	9	31			
40/ 39																	.1	.1	2	2	13			
38/ 37																	.1	.1	1	1	10			
36/ 35																	.1	.1	1	1	12			
34/ 33																					8			
32/ 31																					3			
30/ 29																					47			
28/ 27																					1			
Element (X)	Mean No. of Hours with Temperature																		Total					
Rel. Hum.	≤ 0 F																		≥ 80 F			≥ 93 F		
Dry Bulb	≤ 32 F																		≥ 67 F			Total		
Wet Bulb	≤ 67 F																		≥ 73 F			Total		
Dew Point	≤ 0 F																		≥ 67 F			Total		

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL								
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
26/ 25																					48
24/ 23																					42
22/ 21																					26
20/ 19																					38
18/ 17																					13
16/ 15																					17
14/ 13																					10
12/ 11																					8
10/ 9																					10
8/ 7																					3
6/ 5																					4
4/ 3																					2
TOTAL		0.3	1.6	2.1	3.6	7.0	6.7	7.8	5.2	7.6	10.2	10.9	10.5	8.2	6.7	5.4	5.8	667	667	667	667

Mean No. of Hours with Temperature

No. Obs.

σ_x

\bar{x}

Σx

Σx^2

Element (X)

Total

≥ 93 F

≥ 80 F

≥ 73 F

≥ 67 F

≤ 32 F

≤ 0 F

4.5

425.0

667

667

667

667

744.0

744.0

744.0

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		D.B./W.B.	Wet Bulb	Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31					
82/ 81												.1			.3	.9		13	13			
80/ 79												.1			.3	.9		8	8			
78/ 77											.1	.1	1.0	.7	.1			16	16			
76/ 75											.1	.3	.3	1.0	.4			20	20			
74/ 73												1.2	2.1	.1				34	34			
72/ 71											.1	.3	1.0	1.3	.3			28	28			
70/ 69											.1	.3	1.0	1.5	.3			34	34			
68/ 67											.1	.4	.9	.4				30	30			
66/ 65											.3	1.6	1.5	.3				43	43			
64/ 63											.4	1.3	2.1	.3				56	56			
62/ 61											.6	.9	.9					23	23		2	
60/ 59											.1	1.3	2.2	1.5	.4			52	52		3	
58/ 57											.3	1.2	.9	1.0	.1			37	37		12	
56/ 55			.1								.1	1.3	1.2	.3	.1			32	32		38	
54/ 53			.1								.4	1.0	1.3	.9	.6			33	33		69	
52/ 51		.1	.1								.1	.3	1.5	1.0	.7	.1		28	28			
50/ 49		.1	.1		.1	.1	.7				.6	.9	.7					22	22		63	
48/ 47					.1	.1	.1	.3	.3	.3	.9	.4	.3					14	14		67	
46/ 45					.1	.4	.6	1.5	.7	.3	.6	1.3	.7	.3				25	25		79	
44/ 43			.3		.4	1.0	1.2	.3	.1		.3	1.2	.3	.1				23	23		66	
42/ 41			.1	1.3	.9	.9	.4	.6			.4	.6						24	24		45	
40/ 39			.3	.7	.9	.9	.3	.1			.3	.1						16	16		38	
38/ 37		.3	.4	.6	.9	.9	.3				.3							17	17		22	
36/ 35			.3	1.0	.3	.1					.3	.1						12	12		48	
34/ 33				.3	.6						.3	.6						6	6		29	
32/ 31				.3	.9	.1					.3	.9	.1					9	9		37	
30/ 29		.1	.1	.4	.1						.1							6	6		43	
28/ 27		.3	.6	.1	.1	.1					.1							8	8		33	
26/ 25				.3	.1						.1							3	3		47	
24/ 23																					52	
22/ 21				.1														1	1		64	
20/ 19																					12	
18/ 17																					2	
16/ 15																					2	
14/ 13																					2	
12/ 11																					2	
10/ 9																					2	
8/ 7																					2	
6/ 5																					2	
4/ 3																					2	
2/ 1																					2	
0/ 0																					2	
Element (X)	$\sum X^2$		$\sum X$		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature						Total					
Rel. Hum.																						
Dry Bulb																						
Wet Bulb																						
Dew Point																						

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		D.B./W.B.	TOTAL		Dry Bulb	Wet Bulb	Dew Point										
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31																			
78/ 77													.1					1		1		1														
74/ 73												.3						2		2		2														
72/ 71												.9	.1					1		1		1														
70/ 69												.9	.3					9		9		9														
68/ 67											.4	.1	.4	.9				19		19		19														
66/ 65											.1	.1	1.2	.6	.9			21		21		21														
64/ 63			.1							.9	.1	.4	1.0	.9	.6	.1		28		28		28														
62/ 61										.1	.7	.6	1.9	1.6	.3			38		38		38														
60/ 59					.3	.3	.3	.3	.3	1.0	2.2	1.9	1.0					53		53		53		1												
58/ 57				.3	.3	.3	.3	.3	.3	1.2	.9	1.8	.4					34		34		34														
56/ 55						.3	.4	2.4	1.6	1.0								46		46		46														
54/ 53		.3		.1	.6	.4	.9	1.3	.9	.7								36		36		36		6												
52/ 51	.3	.4	.1	.1	.1	.9	1.9	1.8	.7	.1								42		42		42		20												
50/ 49	.3	.3	.1	.3	.6	.9	2.1	1.2	.4									42		42		42		8												
48/ 47	.4	.4	.1	.4	.7	.4	1.3	.6	.4									32		32		32		6												
46/ 45			.1	.1	.6	1.8	1.8	1.3	.1									40		40		40		5												
44/ 43			.3	.1	1.0	1.9	.9	.4										30		30		30		4												
42/ 41			.3	.4	1.8	1.0	.7											29		29		29		12												
40/ 39			.4	.6	1.2	.7	.6											24		24		24		6												
38/ 37		.3	.4	.7	.6	.4	.3											19		19		19		53												
36/ 35		.4	.3	1.3	.3	.6												20		20		20		17												
34/ 33		.6	.9	1.0	.3	.3	.3											21		21		21		17												
32/ 31		.1	.9	.4	.4													10		10		10		23												
30/ 29		1.0	1.6	1.2	.1													27		27		27		22												
28/ 27		.4	1.0	.9														16		16		16		43												
26/ 25		.3	.4	1.2	.1													14		14		14		49												
24/ 23			.4	.6	.6													7		7		7		42												
22/ 21		.3																2		2		2		50												
20/ 19			.3	.1	.1													2		2		2		61												
18/ 17			.1	.1	.1													2		2		2		46												
16/ 15																								2												
14/ 13																								2												
12/ 11																		1		1		1		46												
10/ 9																								2												
																								47												
																								27												
																								1												
																								35												
Element (X)	ΣX ²																		ΣX		σ _x		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.																									≤ 0 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

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93104

CHINA LAKE, CALIFORNIA

73077

YEARS

DEC

STATION NAME

PAGE 2

MONTH

HOURS (L.S.T.)

05 PSYCHROMETRIC SUMMA 7 JAN 68

JAN 68

[illegible]

PSYCHROMETRIC SUMMARY

5101 1305 PSYCHROMETRIC SUMMARY JAN 68

ALL

MONTH

PAGE 1

HOURS (L.S.T.)

73-77

YEARS

CHINA LAKE, CALIFORNIA

STATION NAME

93104

STATION

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	Dew Point						
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31											
112/111																		0	1	1	1							
110/109																		.1	6	6	6							
108/107																		.4	32	32	32							
106/105																		.9	70	70	70							
104/103																		1.1	89	89	89							
102/101																		1.5	119	119	119							
100/99																		2.2	184	184	184							
98/97																		2.3	203	203	203							
96/95																		.1	202	202	202							
94/93																		.4	221	221	221							
92/91																		1.8	228	228	228							
90/89																		1.6	229	229	229							
88/87																		.7	244	244	244							
86/85																		.3	234	234	234							
84/83																		.1	188	188	188							
82/81																		.0	197	197	197							
80/79																			228	228	228							
78/77																		.1	260	260	260	1						
76/75																		.0	250	250	250	2						
74/73																		.3	271	271	271	7						
72/71																		.7	256	256	256	23						
70/69																		.0	268	268	268	95						
68/67																		.2	272	272	272	190						
66/65																		.4	307	307	307	301						
64/63																		.8	288	288	288	390						
62/61																		.0	259	259	259	501						
60/59																		.3	323	323	323	544						
58/57																		.1	292	292	292	495						
56/55																		.0	282	282	282	472						
54/53																		.4	276	276	276	441						
52/51																		.2	231	231	231	462						
50/49																		.1	242	242	242	488						
48/47																		.2	189	189	189	489						
46/45																		.1	189	189	189	512						
Element (X)	$\sum X^2$																		$\sum X$		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature	
Rel. Hum.																											Total	
Dry Bulb																												
Wet Bulb																												
Dew Point																												

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PSYCHROMETRIC SUMMARY

STATION 93104 CHINA LAKE, CALIFORNIA 73-77 ALL MONTH YEARS PAGE 2 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
44/43	.1	.0	.2	.2	.2	.4	.4	.3	.1									132	132	509	512
42/41	.1	.1	.1	.1	.4	.5	.3	.3										149	149	422	379
40/39	.0	.1	.2	.2	.3	.3	.3	.1										128	128	389	382
38/37	.0	.3	.2	.2	.2	.3	.1	.0										97	97	287	427
36/35	.0	.2	.2	.2	.4	.1	.1											86	86	265	466
34/33	.1	.2	.2	.2	.2	.1	.1											71	71	229	517
32/31	.0	.2	.2	.2	.2	.2	.0											63	63	150	506
30/29	.0	.2	.4	.2	.2	.1												74	74	114	482
28/27	.0	.1	.3	.2	.2	.0												52	52	74	504
26/25	.1	.1	.1	.2	.0													35	35	79	456
24/23	.0	.0	.1	.1	.1													19	19	66	443
22/21	.0	.0	.0	.0	.0													7	7	30	394
20/19	.0	.0	.0	.0	.0													3	3	28	386
18/17	.0	.0	.0	.0	.0													4	4	7	299
16/15	.0	.0	.0	.0	.0													4	4	3	261
14/13	.0	.0	.0	.0	.0													2	2	5	239
12/11	.0	.0																1	1	4	157
10/9																				1	152
8/7																				96	95
6/5																				62	52
4/3																				52	23
2/1																				28	12
0/-1																				8	1
-2/-3																				8077	8077
-4/-5																					
-6/-7																					
-10/-11																					
TOTAL	.3	2.3	3.4	4.2	4.8	5.8	7.4	7.6	7.6	7.3	7.6	6.2	5.7	5.0	4.5	4.6	15.7	8077	8077	8077	8077

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MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEC F FROM HOURLY OBSERVATIONS

73-77

CHINA LAKE, CALIFORNIA

93104

STATION NAME		YEARS												
STATION NAME		YEARS												
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
07	MEAN	31.2	38.0	43.4	52.0	64.4	73.7	77.2	73.3	67.5	54.0	40.3	32.4	54.3
	S. D.	8.046	6.890	7.275	6.661	8.138	5.962	4.741	6.076	5.499	6.971	8.410	7.997	17.581
	TOTAL OBS	152	141	153	150	155	150	155	154	150	154	141	140	1795
10	MEAN	42.9	51.6	56.1	65.3	76.8	87.6	91.1	87.6	82.8	70.8	56.5	46.4	68.1
	S. D.	7.247	5.808	6.369	7.780	9.853	7.162	4.803	6.541	6.312	7.394	7.923	6.764	17.962
	TOTAL OBS	155	141	153	150	155	150	155	155	150	155	150	154	1623
13	MEAN	53.9	61.1	63.1	71.6	83.4	94.7	98.9	95.6	90.5	79.1	67.0	57.7	76.5
	S. D.	8.259	6.465	8.313	8.793	10.503	7.428	4.835	6.784	6.896	7.804	8.232	6.330	17.241
	TOTAL OBS	155	141	153	150	153	150	154	155	149	155	149	149	1813
16	MEAN	56.0	62.6	64.2	72.5	84.1	96.2	100.8	97.3	92.0	79.6	67.5	59.5	76.7
	S. D.	8.716	7.505	8.468	9.876	10.422	7.841	4.984	6.532	7.353	8.550	8.354	6.600	17.390
	TOTAL OBS	146	132	138	138	118	119	118	132	121	124	143	142	1571
19	MEAN	45.9	54.2	56.0	65.8	76.5	89.6	94.3	90.7	84.1	69.0	56.9	47.2	68.7
	S. D.	6.528	5.887	7.734	9.053	10.441	8.114	5.800	6.114	7.703	7.087	7.132	6.046	18.388
	TOTAL OBS	102	89	101	101	86	89	93	85	77	79	90	83	1075
22	MEAN													
	S. D.													
	TOTAL OBS													
	MEAN													
	S. D.													
	TOTAL OBS													
	MEAN													
	S. D.													
	TOTAL OBS													
ALL HOURS	MEAN	45.9	53.3	56.5	65.3	76.7	87.9	91.8	88.5	82.9	70.3	57.8	48.9	68.7
	S. D.	12.031	11.216	10.894	11.325	12.291	11.016	10.011	11.032	11.310	12.371	12.987	12.101	19.599
	TOTAL OBS	710	644	698	683	667	658	675	681	647	667	673	668	8077

MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

73-77

CHINA LAKE, CALIFORNIA

STATION

STATION NAME

YEARS

HRS.(LST.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
07	MEAN 27.5 S. D. 7.689 TOTAL OBS 152	33.2 6.025 141	36.9 6.380 153	41.9 4.511 150	50.1 5.203 155	54.9 4.063 150	57.8 4.730 155	56.2 4.927 154	53.7 4.853 150	43.8 6.018 154	33.4 7.192 141	28.0 7.624 140	43.4 12.251 1795
10	MEAN 35.5 S. D. 5.825 TOTAL OBS 155	41.3 4.261 141	43.5 5.371 153	48.0 4.514 150	55.1 5.430 155	59.9 4.146 150	63.4 3.591 155	61.9 4.220 155	60.4 3.843 150	52.0 5.057 155	42.9 5.903 150	37.0 5.959 154	50.1 10.823 1823
13	MEAN 41.2 S. D. 5.537 TOTAL OBS 155	45.5 3.739 141	45.9 5.033 153	49.7 4.826 150	56.6 5.221 153	61.3 3.904 150	65.0 3.238 154	63.4 4.110 155	62.0 3.677 149	54.9 4.488 155	47.8 5.340 149	42.8 4.936 149	53.1 9.389 1813
16	MEAN 41.9 S. D. 5.499 TOTAL OBS 146	45.9 3.925 132	45.8 4.671 138	49.6 4.844 138	56.3 4.628 118	61.3 3.943 119	65.0 3.365 118	63.5 3.669 132	62.0 3.746 121	54.3 4.662 124	47.8 5.242 143	43.5 4.801 142	52.6 9.182 1571
19	MEAN 36.3 S. D. 5.214 TOTAL OBS 102	41.3 3.992 89	42.1 4.817 101	46.9 4.797 101	52.8 4.835 86	58.5 3.743 89	63.0 3.412 93	60.4 3.944 85	59.6 3.785 77	49.4 4.683 79	42.4 5.133 90	36.0 5.016 83	48.7 10.291 1075
22	MEAN S. D. TOTAL OBS												
	MEAN S. D. TOTAL OBS												
	MEAN S. D. TOTAL OBS												
	MEAN S. D. TOTAL OBS												
ALL HOURS	MEAN 36.5 S. D. 8.080 TOTAL OBS 710	41.4 6.550 644	42.8 6.331 698	47.2 5.544 689	54.2 5.706 667	59.1 4.674 658	62.7 4.659 675	61.1 5.076 681	59.4 5.190 647	50.9 6.624 667	42.9 7.965 673	37.7 8.180 668	49.6 11.103 8077

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JAN

STATION	STATION NAME

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MONTH

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MONTH

PERIOD

STATION NAME

STATION

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5706 RELATIVE HUMIDITY JAN 68

73-77

93104 CHINA LAKE, CALIFORNIA

HAR

MONTH

PERIOD

STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	01											
	04											
	07	100.0	98.7	86.3	73.2	51.6	39.2	29.4	13.7	4.6	55.6	153
	10	100.0	82.4	56.2	32.7	17.0	5.9	2.6	1.3	1.3	35.7	153
	13	90.8	54.2	24.2	10.5	5.2	3.9	2.6	1.3	1.3	25.2	153
	16	87.0	42.8	20.3	8.0	5.1	2.9	.7	.7	.7	22.3	138
	19	98.0	68.3	39.6	20.8	11.9	5.9	3.0	2.0	1.0	30.3	101
	22											
TOTALS		95.2	69.3	45.3	29.0	18.2	11.6	7.7	3.8	1.8	33.8	698

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MONTH

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CHINA LAKE, CALIFORNIA

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NUM

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	01											
	04											
	07	98.7	82.7	38.0	11.3	4.0	2.0				29.1	150
	10	98.0	30.7	5.3	.7						17.9	150
	13	57.3	4.0								12.2	150
	16	46.2	2.5								10.7	119
	19	57.3	7.9	2.2							12.9	89
	22											
TOTALS		69.5	25.6	9.1	2.4	.8	.4				16.6	658

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RELATIVE HUMIDITY

93104

CHINA LAKE, CALIFORNIA

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STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	01											
	04											
	07	100.0	90.3	35.5	11.0	4.5	3.2	.6	.6		29.6	155
	10	97.4	41.3	8.4	2.6	.6	.6				20.3	155
	13	72.7	10.4	.6	.6	.6	.6				14.3	154
	16	53.4	8.5	1.7	.8						12.6	118
	19	67.7	21.5	5.4	4.3	4.3	1.1	1.1	1.1	1.1	16.4	93
	22											
TOTALS		78.2	34.4	10.3	3.9	2.0	1.1	.3	.3	.2	18.6	675

5706 RELATIVE HUMIDITY JAN 68

93104 CHINA LAKE, CALIFORNIA

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AUG

STATION	STATION NAME
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98	STATION 98
99	STATION 99
100	STATION 100

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	01											
	04											
	07	100.0	93.5	54.5	21.4	7.1	2.6	1.9	1.3	.6	33.9	154
	10	97.4	49.0	10.3	3.2	1.9	1.9	1.3	1.3	.6	22.6	155
	13	73.5	12.9	2.6	1.9	1.3	1.3	.6	.6	.6	15.2	155
	16	59.1	9.8	4.5	3.0	2.3	1.5	1.5	.8	.8	14.1	132
	19	80.0	11.8	3.5							14.8	85
	22											
TOTALS		82.0	35.4	15.1	5.9	2.5	1.5	1.1	.8	.5	20.1	681

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MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	01											
	04											
	07	100.0	96.0	72.7	42.7	22.0	12.0	6.0	2.7		40.8	150
	10	98.0	66.0	28.7	15.3	5.3	2.0	.7	.7		27.1	150
	13	83.9	31.5	10.7	4.0	1.3	.7	.7	.7		19.1	149
	16	79.3	23.1	8.3	3.3	1.7	1.7	1.7	1.7		17.4	121
	19	94.8	37.7	19.5	13.0	9.1	5.2	3.9	2.6	1.3	23.7	77
	22											
TOTALS		91.2	50.9	28.0	15.7	7.9	4.3	2.6	1.7	.3	25.6	647

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5706 RELATIVE HUMIDITY JAN 68

93104

CHINA LAKE, CALIFORNIA

73-77

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STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	01											
	04											
	07	100.0	97.4	79.9	56.5	31.2	15.6	5.8	1.9	.6	44.2	154
	10	99.4	63.2	27.7	14.2	3.9	1.9	.6			26.5	155
	13	92.3	32.9	11.6	3.2	.6	.6	.6			19.2	155
	16	85.5	24.2	8.9	4.6	.8	.8	.8			17.6	124
	19	96.2	39.2	17.7	8.9	2.5	1.3	1.3			22.2	79
	22											
TOTALS		96.7	51.4	29.2	17.5	7.8	4.0	1.8	.4	.1	25.9	667

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PERIOD

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5706 RELATIVE HUMIDITY JAN 68

93104

CHINA LAKE, CALIFORNIA

73-77

DEC

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	01											
	04											
	07	100.0	100.0	99.3	81.4	64.3	41.4	25.0	11.4	4.3	58.2	140
	10	100.0	93.5	66.9	44.8	23.4	9.7	6.5	3.2	1.9	40.5	154
	13	100.0	57.7	28.2	12.8	6.0	3.4	2.0	2.0	1.3	27.2	149
	16	97.2	51.4	23.9	9.2	6.3	3.5	2.8	2.1	.7	25.1	142
	19	100.0	89.2	44.6	16.9	1.2					30.4	83
	22											
TOTALS		99.4	78.4	52.6	33.0	20.2	11.6	7.3	3.7	1.6	36.3	668

RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

ALL MONTH

73-77

93104 CHINA LAKE, CALIFORNIA

STATION NAME PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	98.6	84.3	62.6	44.3	32.1	23.2	14.4	8.7	4.1	42.9	710
FEB		98.5	75.8	57.6	38.5	23.8	15.9	9.5	6.2	2.3	38.1	644
MAR		95.2	69.3	45.3	29.0	18.2	11.6	7.7	3.8	1.8	33.8	698
APR		89.7	52.9	28.0	16.2	7.2	2.9	1.1	.5		25.3	689
MAY		86.8	43.1	22.6	10.8	4.8	3.6	1.7	.6		22.8	667
JUN		69.5	25.6	9.1	2.4	.8	.4				16.6	658
JUL		78.2	34.4	10.3	3.9	2.0	1.1	.3	.3	.2	18.6	675
AUG		82.0	35.4	15.1	5.9	2.5	1.5	1.1	.8	.5	20.1	681
SEP		91.2	50.9	28.0	15.7	7.9	4.3	2.6	1.7	.3	25.6	647
OCT		94.7	51.4	29.2	17.5	7.8	4.0	1.8	.4	.1	25.9	667
NOV		96.4	68.7	40.7	20.2	10.9	4.7	2.2	.9		29.9	673
DEC		99.4	78.4	52.6	33.0	20.2	11.6	7.3	3.7	1.6	36.3	668
TOTALS		90.0	55.9	33.4	19.8	11.5	7.1	4.1	2.3	.9	28.0	8077

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

93104 CHINA LAKE, CALIFORNIA JAN 1973-DEC 1977 MONTH JANUARY ALL
STATION NAME YEARS HOURS 1,687.1

TEMP.	NW & N	NNE & NE	ESE & E	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+										
117 TO 121										
112 TO 116										
107 TO 111										
102 TO 106										
97 TO 101										
92 TO 96										
87 TO 91										
82 TO 86										
77 TO 81										
72 TO 76										
67 TO 71										
62 TO 66	2.8	8.3	27.3	4.5						
57 TO 61	5.4	1.4	16.7	5.6	2.8	2.8				
52 TO 56	7.8	6.7	16.2	13.5	5.4	9.5	2.7			
47 TO 51	4.8	5.6	5.6	6.7	8.9	11.1	5.6			
42 TO 46	5.8	5.8	6.3	10.3	11.9	16.7	11.1			
37 TO 41	9.7	3.2	2.9	7.6	14.6	15.5	3.9			
32 TO 36	1.6	3.1	2.2	7.5	15.1	9.7	5.4			
27 TO 31	3.8		1.6	12.5	9.4	17.2	7.8			
22 TO 26				1.9	7.7	11.5	7.7			
17 TO 21					12.9	6.5				
12 TO 16										
7 TO 11										
2 TO 6										
-3 TO 1										
-8 TO -4										
-13 TO -9										
-18 TO -14										
-23 TO -19										
-28 TO -24										
-33 TO -29										
-38 TO -34										
-43 TO -39										
-48 TO -44										
-53 TO -49										
-58 TO -54										
-59 & LWR										
TOTALS	5.1	3.9	6.1	6.1	8.0	10.0	12.1	5.5	43.2	710 100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

93104
STATION NAME

CHINA LAKE, CALIFORNIA

JAN 1973-DEC 1977
YEARS

FEBRUARY
MONTH

ALL
HOURS (L.S.T.)

TEMP.	NW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81				60.0	20.7	3.4	10.3		40.0	5	.8
72 TO 76		3.4	13.8	20.7	20.7	3.4	10.3		27.6	29	4.5
67 TO 71	3.6	7.1	7.1	14.3	17.9	3.6	21.4		25.0	28	4.3
62 TO 66		2.4	17.1	14.6	22.0	13.4	14.6	2.4	13.4	82	12.7
57 TO 61	6.3	2.4	5.6	17.5	11.9	15.1	13.5	4.0	23.8	126	19.6
52 TO 56	8.0	4.5	3.6	7.1	11.6	20.5	14.3	6.3	24.1	112	17.4
47 TO 51	7.4	4.6	2.8	5.6	10.2	13.0	7.4	6.5	42.6	108	16.8
42 TO 46	13.3	2.2	4.4		13.3	11.1	11.1	8.9	35.6	45	7.0
37 TO 41	2.4	2.4			9.8	2.4	12.2	12.2	58.5	41	6.4
32 TO 36	2.3		4.5		9.1	9.1	9.1	2.3	63.6	44	6.8
27 TO 31		4.3				8.7			87.0	23	3.6
22 TO 26									100.0	1	.2
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	5.3	3.3	5.9	9.3	12.7	12.6	11.8	4.8	34.2	644	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

93104
STATIONCHINA LAKE, CALIFORNIA
STATION NAMEJAN 1973-DEC 1977
YEARSMARCH
MONTHALL
HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
112 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86							100.0			1	.1
77 TO 81	8.3	8.3		25.0	16.7	16.7	25.0	8.3	8.3	12	1.7
72 TO 76	2.4	2.4	4.8	21.4	28.6	16.7	21.4		2.4	42	6.0
67 TO 71		2.5	10.1	11.4	17.7	21.5	17.7	3.8	15.2	79	11.3
62 TO 66	3.7	5.5	7.3	18.3	9.2	17.4	13.8	3.7	21.1	109	15.6
57 TO 61	11.0	1.8	7.3	2.8	15.6	15.6	23.9	6.4	15.6	109	15.6
52 TO 56	8.8	7.2	2.4	6.4	7.2	19.2	22.4	5.6	20.8	125	17.9
47 TO 51	6.5	3.3	7.6	3.3	10.9	17.4	19.6	5.4	26.1	92	13.2
42 TO 46	3.6	5.5	3.6	3.6	7.3	10.9	23.6	9.1	32.7	55	7.9
37 TO 41	4.3	4.3			4.3	8.5	12.8	10.6	55.3	47	6.7
32 TO 36			5.3		5.3	15.8	5.3	5.3	63.2	19	2.7
27 TO 31	12.5		12.5						75.0	8	1.1
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	5.7	4.2	5.7	7.7	11.7	16.5	19.2	5.4	23.8	698	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

93104
STATION

CHINA LAKE, CALIFORNIA

JAN 1973-DEC 1977

STATION NAME

YEARS

MONTH

APRIL

HOURS (L.S.T.)

ALL

TEMP.	NW & N	NNE & NE	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+										
117 TO 121										
112 TO 116										
107 TO 111										
102 TO 106										
97 TO 101										
92 TO 96										
87 TO 91										
82 TO 86	4.5	2.3	7.7	23.1	30.8	38.5			13	1.9
77 TO 81	2.7	2.7	6.8	13.6	34.1	15.9	4.5	4.5	44	6.4
72 TO 76	3.5	4.7	2.7	13.7	27.4	23.3	1.4	6.8	73	10.6
67 TO 71	4.6	9.2	1.2	16.3	20.9	12.8	2.3	17.4	86	12.5
62 TO 66	6.6	4.7	8.3	14.7	10.1	21.1	2.8	13.8	109	15.8
57 TO 61	9.2	4.6	2.8	18.9	14.2	16.0	4.7	12.3	106	15.4
52 TO 56	11.5	2.3	4.6	8.0	5.7	16.1	5.7	16.1	87	12.6
47 TO 51	8.5	2.1	6.4	6.9	5.7	18.4	8.0	26.4	87	12.6
42 TO 46	17.2				10.6	10.6	8.5	42.6	47	6.8
37 TO 41					10.3	13.8	13.8	34.5	29	4.2
32 TO 36					12.5	25.0	62.5		8	1.2
27 TO 31										
22 TO 26										
17 TO 21										
12 TO 16										
7 TO 11										
2 TO 6										
-3 TO 1										
-8 TO -4										
-13 TO -9										
-18 TO -14										
-23 TO -19										
-28 TO -24										
-33 TO -29										
-38 TO -34										
-43 TO -39										
-48 TO -44										
-53 TO -49										
-58 TO -54										
-59 & LWR										
TOTALS	6.7	4.2	3.8	11.9	14.7	18.4	17.9	4.8	689	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

93104
STATION

CHINA LAKE, CALIFORNIA
STATION NAME

JAN 1973-DEC 1977
YEARS

MAY

ALL

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	ESE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106					100.0					1	.1
97 TO 101				26.7	13.3	33.3	6.7	13.3	6.7	15	2.2
92 TO 96		5.0	8.3	15.0	18.3	30.0	15.0	1.7	6.7	60	9.0
87 TO 91	4.9	7.8	4.9	18.6	10.0	18.6	18.6	4.9	10.8	102	15.3
82 TO 86	3.3	1.1	2.2	15.6	21.1	15.6	17.8	5.6	17.8	90	13.5
77 TO 81	1.1	2.3	6.8	14.8	11.4	15.9	21.6	5.7	20.5	88	13.2
72 TO 76	3.8	2.5	2.5	13.8	12.5	18.8	16.3	3.8	26.3	80	12.0
67 TO 71	4.9	1.2	4.9	3.7	7.4	14.8	17.3	4.9	40.7	81	12.1
62 TO 66	1.7	1.7	1.7	3.4	6.9	8.6	19.0	10.3	46.6	58	8.7
57 TO 61	8.0	4.0	4.0	8.0		18.0	18.0	14.0	26.0	50	7.5
52 TO 56	12.0		4.0	12.0	8.0	20.0	12.0	8.0	24.0	25	3.7
47 TO 51	20.0		6.7	6.7		26.7	6.7		33.3	15	2.2
42 TO 46							50.0	50.0		2	.3
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	4.0	3.0	4.3	12.4	11.4	18.0	17.4	6.1	23.2	667	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

93104

CHINA LAKE, CALIFORNIA

STATION NAME

JAN 1973-DEC 1977

YEARS

JUNE

MONTH

ALL

HOURS 24.0

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
*22+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	4.1	3.0	3.5	12.6	16.0	20.4	13.1	3.8	23.6	65.8	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

93104
STATION

CHINA LAKE, CALIFORNIA

JAN 1973-DEC 1977
YEARS

JULY

ALL

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111				21.1	15.8	36.8	15.8	5.3	5.3	19	2.8
102 TO 106	1.1	1.1	2.3	8.0	27.3	40.9	15.9		3.4	88	13.0
97 TO 101	2.0		3.4	8.1	30.9	30.9	15.4	.7	8.7	149	22.1
92 TO 96	2.7		6.0	12.1	18.8	30.2	12.8	4.0	13.4	149	22.1
87 TO 91	1.2	3.7	7.4	8.6	13.6	22.2	12.3	1.2	29.6	81	12.0
82 TO 86	5.6	3.7	1.9	3.7	11.1	24.1	11.1		38.9	54	8.0
77 TO 81	10.6	1.5	1.5	1.5	7.6	15.2	7.6	3.0	51.5	66	9.8
72 TO 76	1.8			1.8	7.3	10.9	3.6	1.8	72.7	55	8.1
67 TO 71	9.1	9.1			18.2	9.1			54.5	11	1.6
62 TO 66					66.7				33.3	3	.4
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	3.1	1.2	3.6	7.7	19.4	27.0	12.1	1.8	24.1	675	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

93104
STATION NAME

CHINA LAKE, CALIFORNIA

JAN 1973-DEC 1977
YEARS

AUGUST

ALL

HOURS LAST

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & E	ESSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +										
117 TO 121										
112 TO 116										
107 TO 111			18.2	45.5	27.3			9.1	11	1.6
102 TO 106		3.9	7.8	25.5	29.4	25.5	3.9	3.9	51	7.5
97 TO 101	.8	1.5	3.1	10.7	27.5	32.8	13.0	3.8	131	19.2
92 TO 96	.8	2.4	7.9	23.8	29.4	15.1	1.6	19.0	126	18.5
87 TO 91	1.9	1.0	5.8	14.4	19.5	23.1	1.9	23.1	104	15.3
82 TO 86		6.5	7.8	14.3	16.9	11.7	2.6	40.3	77	11.3
77 TO 81		1.5	2.9	5.9	8.8	25.0	11.8	44.1	68	10.0
72 TO 76	4.0	2.0	4.0	2.0	6.0	16.0	8.0	54.0	50	7.3
67 TO 71		2.4	2.4	2.4	9.5	9.5		64.3	42	6.2
62 TO 66		6.3	6.3	12.5	12.5			62.5	16	2.3
57 TO 61								100.0	5	.7
52 TO 56										
47 TO 51										
42 TO 46										
37 TO 41										
32 TO 36										
27 TO 31										
22 TO 26										
17 TO 21										
12 TO 16										
7 TO 11										
2 TO 6										
-3 TO 1										
-8 TO -4										
-13 TO -9										
-18 TO -14										
-23 TO -19										
-28 TO -24										
-33 TO -29										
-38 TO -34										
-43 TO -39										
-48 TO -44										
-53 TO -49										
-58 TO -54										
-59 & LWR										
TOTALS	.9	1.0	3.7	8.3	18.1	24.4	13.2	2.3	27.9	681 100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

93104

CHINA LAKE, CALIFORNIA

JAN 1973-DEC 1977

SEPTEMBER

ALL

MONTH

STATION NAME

YEARS

WIND DIRECTION

TEMP.	NW & N	NNE & NE	E & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101	1.8	3.6	5.5	13.3	26.7	53.3		6.7	100.0	1	.2
92 TO 96		2.2	7.7	29.1	21.8	20.0	5.5	1.8	10.9	15	2.3
87 TO 91	1.7	2.5	5.8	24.2	23.1	14.3	9.9		18.7	55	8.5
82 TO 86	1.0	1.0	8.6	15.8	21.7	13.3	10.8	1.7	26.7	91	14.1
77 TO 81	5.6			20.0	12.4	8.6	12.4	3.8	32.4	120	18.5
72 TO 76	5.1			12.7	12.7	9.9	4.2	2.8	40.8	105	16.2
67 TO 71				8.5	5.1	18.6	6.8	6.8	42.4	71	11.0
62 TO 66				3.4	10.3	10.3	15.5	13.8	44.8	59	9.1
57 TO 61	11.1	3.9	5.6		2.0	11.8	9.8	2.0	70.6	58	9.0
52 TO 56				33.3		11.1	5.6		66.7	51	7.9
47 TO 51						33.3			33.3	18	2.8
42 TO 46										3	.5
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	2.0	1.5	6.2	15.0	14.7	13.9	9.3	3.6	33.8	647	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION 93104 CHINA LAKE, CALIFORNIA JAN 1973-DEC 1977 MONTH OCTOBER ALL
STATION NAME YEARS HOURS L.S.T.

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96			10.0	30.0	40.0	10.0			10.0	10	1.2
87 TO 91		2.1	8.5	21.3	21.3	12.8	10.6	4.3	19.1	47	7.0
82 TO 86	3.6	6.0	7.2	21.7	21.7	10.8	6.0	1.2	21.7	83	12.4
77 TO 81	3.4	3.4	4.6	19.5	17.2	9.2	3.4	1.1	37.9	87	13.0
72 TO 76	5.2	2.6	6.9	12.1	11.2	18.1	11.2		32.8	116	17.4
67 TO 71	4.9	2.4	3.7	7.3	6.5	23.2	18.3	1.2	30.5	82	12.3
62 TO 66	8.3	1.4	4.2	4.2	12.5	13.9	13.9	2.8	38.9	72	10.8
57 TO 61	9.8	1.6	1.6	8.2	6.6	14.8	8.2	3.3	49.2	61	9.1
52 TO 56	4.8		10.0		5.0	4.8	7.9	1.6	76.2	63	9.4
47 TO 51	10.0							10.0	65.0	20	3.0
42 TO 46						6.7	13.3		80.0	15	2.2
37 TO 41									100.0	10	1.5
32 TO 36									100.0	1	.1
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	4.9	2.4	4.8	11.4	12.3	13.0	9.4	1.8	39.9	667	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

93104

CHINA LAKE, CALIFORNIA

STATION NAME

JAN 1973-DEC 1977

YEARS

NOVEMBER

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NW & N	NNE & NE	E & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86			16.7	16.7		33.3	16.7		16.7	6	9.9
77 TO 81		3.2	12.9	19.4	9.7	16.1	12.9	3.2	22.6	31	4.6
72 TO 76	2.9	1.5	19.1	11.8	5.9	4.4	5.9		48.5	68	10.1
67 TO 71	1.3	3.8	7.7	11.5	11.5	15.4	11.5	1.3	35.9	78	11.6
62 TO 66	3.5	3.5	5.3	10.5	8.8	13.2	15.8	2.6	36.8	114	16.9
57 TO 61	6.2	2.1	6.2	5.2	4.1	17.5	9.3	7.2	42.3	97	14.4
52 TO 56	7.1	2.4	5.9	1.2	10.6	18.8	10.6	5.9	37.6	85	12.6
47 TO 51	9.1		9.1	4.5	6.8	15.9	9.1	4.5	40.9	44	6.5
42 TO 46	5.1		1.7		5.1	11.9	18.6	3.4	54.2	59	8.8
37 TO 41	2.2					10.9	8.7		78.3	46	6.8
32 TO 36				4.5	4.5	9.1			81.8	22	3.3
27 TO 31						10.5	5.3		84.2	19	2.8
22 TO 26					25.0				75.0	4	.6
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	4.0	1.9	6.8	6.7	7.0	13.8	11.0	3.1	45.6	673	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

93104

CHINA LAKE, CALIFORNIA

JAN 1973-DEC 1977

DECEMBER

ALL

STATION NAME

MONTH

YEARS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +										
117 TO 121										
112 TO 116										
107 TO 111										
102 TO 106										
97 TO 101										
92 TO 96										
87 TO 91										
82 TO 86										
77 TO 81						100.0				1
72 TO 76	33.3							66.7		1
67 TO 71	3.6	10.7	7.1	3.6	7.1	14.3		53.6		3
62 TO 66	5.9	2.9	7.4	14.7	6.8	8.8		48.5		28
57 TO 61	1.9	8.5	11.3	11.3	6.6	10.4	2.9	46.2		68
52 TO 56	7.3	4.5	5.4	5.5	10.0	11.8	1.8	48.2		106
47 TO 51	6.8	5.7	2.3	4.5	13.6	6.8	2.3	54.5		110
42 TO 46	9.2	4.6	4.6	3.4	18.4	11.5	1.1	47.1		88
37 TO 41	10.9	1.8	1.8	3.6	7.3	9.1	1.8	63.6		87
32 TO 36	4.3	2.2			2.2	2.2	2.2	80.4		55
27 TO 31	4.2				2.1	2.1		91.7		46
22 TO 26					4.8	4.8		85.7		48
17 TO 21					16.7			83.3		21
12 TO 16								100.0		6
7 TO 11										9
2 TO 6										1
-3 TO 1										
-8 TO -4										
-13 TO -9										
-18 TO -14										
-23 TO -19										
-28 TO -24										
-33 TO -29										
-38 TO -34										
-43 TO -39										
-48 TO -44										
-53 TO -49										
-58 TO -54										
-59 & LWR										
TOTALS	6.0	4.5	4.0	6.0	4.3	9.9	6.9	1.3	57.0	668
										100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

93104
STATIONCHINA LAKE, CALIFORNIA
STATION NAMEJAN 1973-DEC 1977
YEARS

MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION

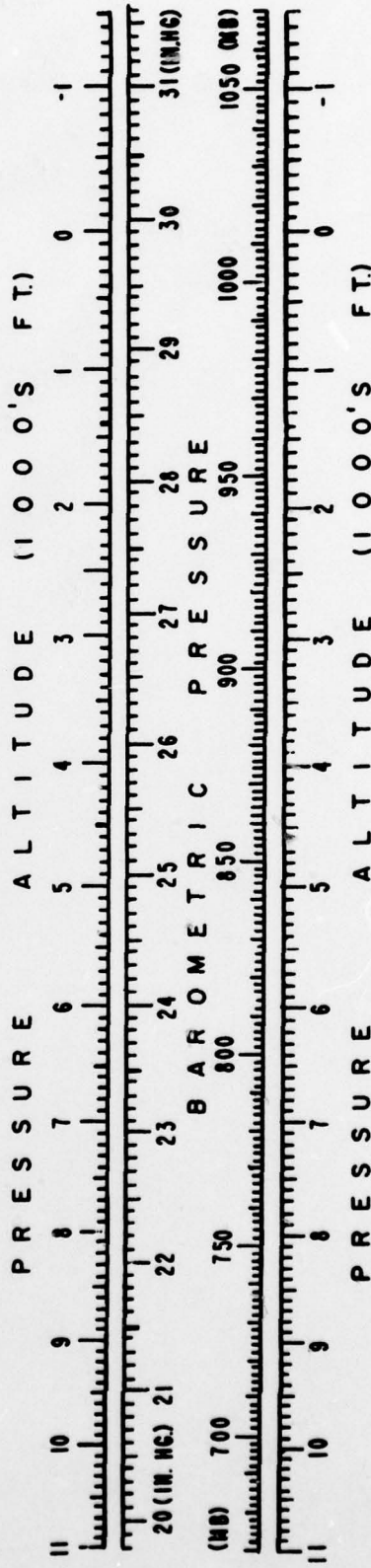
TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111				15.4	23.1	38.5	10.3	2.6	10.3	39	.5
102 TO 106	1.4	1.0	2.4	8.1	28.2	36.8	17.2	1.9	2.9	209	2.6
97 TO 101	1.3	2.0	4.2	14.0	23.7	28.7	14.3	3.3	8.6	456	5.6
92 TO 96	1.4	1.1	5.4	15.3	21.3	25.3	12.8	2.9	14.4	554	6.9
87 TO 91	2.1	3.7	5.6	15.1	16.5	18.4	14.2	2.6	21.8	570	7.1
82 TO 86	3.0	2.6	6.0	15.6	17.1	16.4	11.8	2.6	24.8	532	6.6
77 TO 81	3.5	2.1	5.0	11.5	14.1	16.0	11.3	3.0	33.6	575	7.1
72 TO 76	3.9	2.1	5.8	11.1	12.4	14.2	10.8	2.3	37.4	660	8.2
67 TO 71	3.5	4.1	6.4	9.1	10.5	14.9	14.5	3.3	33.6	657	8.1
62 TO 66	4.1	3.7	6.4	11.9	11.0	12.9	13.1	3.4	33.5	734	9.1
57 TO 61	7.1	3.1	6.3	9.5	8.6	13.9	14.1	4.8	32.7	735	9.1
52 TO 56	8.1	4.3	4.0	5.6	7.3	15.3	14.6	5.1	35.7	700	8.7
47 TO 51	7.2	3.9	5.2	4.4	8.5	13.5	11.7	6.7	38.9	540	6.7
42 TO 46	7.6	3.5	2.3	2.3	6.8	13.7	15.4	5.3	43.0	395	4.9
37 TO 41	6.3	2.3	1.0	1.3	4.3	9.7	10.3	5.3	59.3	300	3.7
32 TO 36	2.0	1.5	2.0	.5	7.7	9.2	8.7	4.1	64.3	196	2.4
27 TO 31	3.3	.7	.7		.7	6.0	5.3	2.7	80.7	150	1.9
22 TO 26					3.5	8.8	5.3		82.5	57	.7
17 TO 21						9.1			90.9	11	.1
12 TO 16									100.0	7	.1
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	4.3	2.9	4.9	9.6	12.5	16.5	12.8	3.7	32.8	8077	100.0

PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

73-77

93104 CHINA LAKE, CALIFORNIA

TEARS

STATION NAME

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN S. D. TOTAL OBS												
04	MEAN S. D. TOTAL OBS												
07	MEAN S. D. TOTAL OBS	27.70327 .162 132	27.75027 .160 141	27.62327 .151 153	27.63427 .124 150	27.57027 .108 155	27.56727 .087 150	27.60327 .071 155	27.60827 .067 154	27.61827 .080 150	27.68627 .110 154	27.74227 .158 141	27.663 .145 1795
10	MEAN S. D. TOTAL OBS	27.81427 .167 155	27.77627 .164 141	27.64127 .151 153	27.64027 .124 150	27.57227 .110 155	27.56627 .089 150	27.60427 .071 155	27.61427 .067 155	27.63127 .080 150	27.69927 .111 155	27.76027 .163 150	27.677 .152 1823
13	MEAN S. D. TOTAL OBS	27.74827 .161 155	27.72227 .157 141	27.59227 .142 153	27.59227 .124 150	27.52727 .109 153	27.52127 .091 150	27.55727 .070 154	27.56327 .069 155	27.57527 .084 149	27.63927 .110 155	27.69427 .163 149	27.622 .146 1813
16	MEAN S. D. TOTAL OBS	27.72727 .154 146	27.67527 .150 132	27.54627 .140 138	27.53627 .117 138	27.48227 .110 118	27.47527 .095 119	27.50227 .069 118	27.51227 .069 132	27.52527 .089 121	27.60527 .109 124	27.66727 .159 143	27.586 .152 1571
19	MEAN S. D. TOTAL OBS	27.74027 .155 102	27.68527 .128 89	27.55127 .141 101	27.54227 .115 101	27.47227 .094 86	27.47327 .102 89	27.49827 .071 93	27.51427 .056 85	27.53827 .090 77	27.63427 .106 79	27.68927 .156 90	27.590 .152 1075
22	MEAN S. D. TOTAL OBS												
ALL HOURS	MEAN S. D. TOTAL OBS	27.76527 .163 710	27.72527 .158 644	27.59427 .150 698	27.59327 .129 685	27.53227 .114 667	27.52727 .100 658	27.56027 .083 675	27.56927 .079 681	27.58427 .093 647	27.65727 .115 667	27.71227 .164 673	27.632 .154 8077

MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

SEA LEVEL PRESSURE IN HRS FROM HOURLY OBSERVATIONS

73-77

CHINA LAKE, CALIFORNIA

93104

STATION NAME

YEARS

HRS.(LST.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN S. D. TOTAL OBS												
04	MEAN S. D. TOTAL OBS												
07	MEAN S. D. TOTAL OBS	1021.1 6.174 152	11019.4 5.942 141	11014.2 5.670 153	11010.9 4.052 150	11010.0 3.207 150	11011.0 2.663 155	11011.5 2.455 154	11012.3 2.992 150	11015.7 4.115 154	11018.8 6.040 141	11021.4 5.433 140	1014.9 6.072 1795
10	MEAN S. D. TOTAL OBS	1022.0 6.228 155	11014.7 5.541 141	11010.0 4.542 150	11009.8 3.305 155	11010.9 2.620 150	11010.9 2.527 155	11011.5 2.527 155	11012.4 3.010 150	11015.9 4.128 155	11019.7 6.197 150	11021.8 5.494 154	1015.2 6.314 1823
13	MEAN S. D. TOTAL OBS	1019.3 5.969 155	11012.8 5.187 153	11009.2 4.117 150	11008.1 3.373 150	11009.1 2.584 154	11009.5 2.597 155	11009.8 3.139 149	11010.3 3.139 149	11013.5 4.061 155	11016.4 6.105 149	11018.8 5.431 149	1013.1 5.994 1813
16	MEAN S. D. TOTAL OBS	1018.6 5.709 146	11011.2 5.129 138	11010.3 4.282 138	11007.6 4.143 118	11006.6 3.512 119	11007.2 2.540 118	11007.8 2.599 132	11008.6 3.346 121	11012.4 4.019 124	11015.5 5.996 143	11017.9 5.387 142	1011.9 6.202 1571
19	MEAN S. D. TOTAL OBS	1019.5 5.809 102	11011.7 5.175 101	11010.7 4.159 101	11007.3 3.578 86	11006.5 3.724 89	11007.1 2.602 93	11008.0 2.073 85	11009.3 3.398 77	11013.9 3.934 79	11016.8 5.995 90	11019.2 5.424 83	1012.3 6.417 1075
22	MEAN S. D. TOTAL OBS												
ALL HOURS	MEAN S. D. TOTAL OBS	1020.2 6.120 710	11018.2 5.848 644	11013.0 5.518 698	11012.4 4.710 689	11009.4 4.285 667	11009.3 3.066 675	11009.9 2.936 681	11010.8 3.491 647	11014.4 4.281 667	11017.4 6.224 673	11019.9 5.641 668	1013.6 6.327 8077